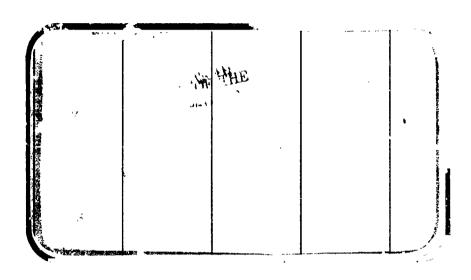


NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

NASA CR-1+45-96



(NASA-CE-144596) RESULTS OF HEAT TRANSFER TESTS ON A 0.0175-SCALE SPACE SHUTTLE ORBITER MODEL (56-0) IN THE AEDC VKF 'B' HYPERSONIC WIND TUNNEL (0H74) Aerothermodynamic Data Report (Chrysler

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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER HOUSTON, TEXAS

DATA MANagement services



DMS-DR-2263 NASA CR-144,596

THE REPORT OF THE PARTY OF THE

RESULTS OF HEAT TRANSFER TESTS

ON A 0.0175-SCALE SPACE SHUTTLE ORBITER

MODEL (56-0) IN THE AEDC VKF "B"

HYPERSONIC WIND TUNNEL (0H74)

by

W. H. Dye Rockwell International Space Division

Prepared under NASA Contract Number NAS9-13247

by

Data Management Services Chrysler Corporation Space Division New Orleans, La. 70189

for

Engineering Analysis Division

Johnson Space Center National Aeronautics and Space Administration Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number:

AEDC VKF B V41B B8A

NASA Series Number:

0H74 56-0

Model Number:

June 10 through June 12. 1975

Test Dates: Occupancy Hours:

12

FACILITY COCRDINATOR:

AEROTHERMO ANALYSIS ENGINEER:

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Chrysler Corporation Space Division assumes no responsibility for the data presented other than display characteristics.

RESULTS OF HEAT TRANSFER TESTS

ON A 0.0175-SCALE SPACE SHUTTLE ORBITER

MODEL (56-0) IN THE AEL: VKF "B"

HYPERSONIC WIND TUNNEL (0H74)

15

3

by

W. H. Dye, Rockwell International Space Division

ABSTRACT

This report presents the results of aerodynamic heating tests conducted on a 0.0175-scale model of the Rockwell International Space Shuttle Orbiter. These tests were conducted in the Arnold Engineering and Development Center VKF "B" Pypersonic Wind Tunnel.

The tests were conducted at a nominal Mach number of 8 and model angles of attack varying between 20° and 45°.

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מבוכות המכול	CONDITIONS VARYING	ALPHA, T/C NO.	ALPHA, T/C NO.	T/C NJ.	T/C NO.	T/C NO.	T/C NO.	
	TITLE	HEAT TRANSFER COEFFICIENT RATIO VS. RN/L FOR W. L. 400 TRACE T/C,S	HEAT TRANSFER COEFFICIENT RATIO VS. RN/L FOR TRACE LINE A/B T/C,S	HEAT TRANSFER COEFFICIENT RATIO VS. ALPHA (UPPER TANGENT TRACE T/C,S)	HEAT TRANSFER COEFFICIENT RATIO VS. ALPHA (HINGE LINE TRACE T/C,S)	HEAT TRANSFER COEFFICIENT RATIO VS. ALPHA (W. L. 400 TRACE T/C,S)	HEAT TRANSFER COEFFICIENT RATIO VS. ALPHA (TRACE LINE A/B T/C,S)	
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SCHEDULE OF COEFFICIENTS PLOTTED:

- (A) H/HREF versus X/L (T_{aw} = 0.9 T_o)
- (B) H/HREF versus RN/L ($T_{aw} = 0.9 T_o$)
- (C) H/HREF versus ALPHA ($T_{aw} = 0.9 T_0$)

INTRODUCTION

The data presented in this report are the results of aerodynamic heating tests conducted on a 0.0175-scale thin-skin thermocouple model of the Space Shuttle 140C Orbiter. The tests were conducted from June 10 to 12, 1975 in the Arnold Engineering and Development Center VKF "B" Hypersonic Wind Tunnel.

The purpose of these tests was to determine entry aerodynamic heating rates on the Orbiter fuselage side.

The model was tested at Mach no. 8 through a Reynolds number range of .5 x $10^6/\text{ft}$ to 3.77 x $10^6/\text{ft}$. The model angle of attack range tested was from 20° to 45° with a sideslip range of 0°, $\pm 1^\circ$, $\pm 2^\circ$.

Table I lists the run conditions tested and Table II summarizes the test program. Tabulated and plotted data are presented in this report.

NOMENCLATURE

Symbol	Plot Symbol	Definition
b		model skin thickness, in
С		chord, in
c _p		specific heat of model material, BTU/1bm - °R
dt	DT	incremental time, sec
$\frac{dT_{W}}{dt}$	DTWDT	derivation of the model wall temperature with respect to time, °R/sec
h	н(9ТО)	heat transfer coefficient based on $T_{aw} = 0.9 T_0$, BTU/ft ² -sec-R
	Н(ТО)	heat transfer coefficient based on $T_{aw} = T_c$, BTU/ft^2 -sec-R
	H(TAW)	heat transfer coefficient based on T_{aw} , BTU/ft ² -sec-R
^h ref	HREF	reference heat transfer coefficient, BTU/ft ² -sec-R
h/h _{ref}	H/HREF	ratio of heat transfer coefficient to reference heat transfer coefficient
h _i /h _O	HI/HO	ratio of interference heat transfer coefficient to stagnation heat transfer coefficient
h₁/h <mark>u</mark>	HI/HU	ratio of interference heat transfer coefficient to undisturbed heat transfer coefficient
h _u /h _o	HU/HO	ratio of undisturbed heat transfer coefficient to stagnation heat transfer coefficient
Н		enthalpy, BTU/1bm
L	L	length, in
M	MACH	Mach number
Po	PO	stagnation pressure, psia

NOMENCLATURE (Continued)

	Plot	
Symbol	Symbol Symbol	<u>Definition</u>
P_{∞}	Р	free stream pressure, psia
q_{∞}	Q	free stream dynamic pressure, psia
ģ	QD0T	hot transfer rate per unit area, BTU/ft² sec
Qi		initial heat transfer rate, BTU/sec
r	R	adiabatic wall temperature ratio, T_{aw}/T_0 (recovery factor). NOTE: Where R = 0.0 in displayed data, the heat transfer coefficient has been calculated using a recovery factor calculated from T_{aw}/T_0 = $(0.867+0.133 \sin 1.55 \delta)$, where $\delta = (\alpha + \Theta)$. Alpha is the model angle of attack and theta is local surface angle.
St	STNNO	theoretical stagnation point Stanton number for a 0.0175 foot (1 scale foot) radius sphere calculated from Fay-Riddell theory
Re/ft	RN/L	unit Reynolds number, per foot
T	T	temperature, °R
To	TJ	stagnation temperature, °R
T _{wi}		initial model skin temperature, °R
$T_{\mathbf{W}}$	TW	model wall temperature, °R
	TRACE	<pre>1 - thermocouple numbers 1-17 2 - thermocouple numbers 18-30 3 - thermocouple numbers 31-55 4 - thermocouple numbers 56-80</pre>
Taw	TAW	adiabatic wall temperature, °R
T/C	T/C NO	thermocouple number
٧_	٧	free stream velocity, ft/sec

NOMENCLATURE (Concluded)

Symbol	Plot Symbol	Definition
W	RHO	model skin density, lbm/ft ³
x	X	axial distance from nose to corresponding component, in
x/L	X/L	longitudinal location, fraction of length
у	Υ	spanwise distance from centerline, in
z	W.L.	waterplane distance, in
α	ALPHA	angle of attack, degrees
δa	AILRON	aileron deflection angle, degrees
β	BETA	sideslip angle, degrees
δ _{BF}	BDFLAP	body flap deflection angle, degrees
δ _e	ELÉVON	elevon deflection angle, degrees
μ_{∞}	MU	free stream viscosity, 1b-sec/ft
ф	PHI	radial location on tank, degrees
δr	RUDDER	rudder deflection angle, degrees
Ψ	YAW	model yaw angle, degrees

CONFIGURATIONS INVESTIGATED

The model used for these tests is a 0.0175-scale model of the Rockwell International Space Shuttle 140C Orbiter.

To investigate fuselage side heating an instrumented thin sk'n insert was attached to model 2-B of the 56-0 pha e change paint models. The insert was attached to the lef. side of the Orbiter fuselage forming the body contour.

The following is a list of the model components and nomenclature tested:

Component	<u>Definition</u>
B ₆₂	Fuselage per Rockwell lines VL70-000140C
c ₁₂	Canopy per Rockwell lines VL70-000140C
E ₅₂	Elevons per Rockwell lines VL70-0001400
F ₁₀	Body flap per Rockwell lines VL70-000140C
^M 16	OMS pods per Rockwell lines VL70-000140C
R ₁₉	Rudder per Rockwell lines VL70-000140C
v ₈	Vertical per Rockwell lines VL70-000140C
W ₁₂₇	Wing per Rockwell lines VL70-0001400

INSTRUMENTATION

The model thin skin insert was instrumented with 80 chromel constantant hermocouples. Table IV lists the thermocouple locations and skin thicknesses. The nominal skin thickness was 0.020 in. Figure 2 also illustrates the thermocouple locations.

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TEST FACILITY DESCRIPTION

The Arnold Engineering Development Center (AEDC) is an Air Force Facility located in Tullahoma, Tennessee. The tunnel used, Tunnel B, is located in the Von Karman Facility portion of this center. Engineering and other technical operations in this tunnel are performed by contractor personnel of ARO, Inc.

Tunnel B is a continuous, closed circuit, variable density wind tunnel with an axisymmetric contoured nozzle and a 50-inch diameter test section. The tunnel can be operated at a nominal Mach number of 6 or 8 at stagnation pressures from 20 to 300 and 50 to 900 psia, respectively, and at a stagnation temperature of up to 1350°R. The model may be injected into the tunnel for a test run and then retracted for model cooling or model changes without interrupting the tunnel flow.

DATA REDUCTION

Thermocouple outputs were recorded on magnetic tape at the rate of 20 times per second from the start of the injection cycle until about 4 seconds after the model reached the tunnel centerline. The heat transfer coefficient, h, was computed from the relation

$$h = Wbc_{p} \frac{d[\ln \left(\frac{T_{o} - T_{wi}}{T_{o} - T_{w}}\right)]}{dt}$$

where

 $W = model skin density, lbm/ft^3$

b = model skin thickness, ft

 $c_p^{=}$ model skin specific heat, BTU/1bm - $^{\circ}$ R

 T_{wi} = initial model skin themperature, °R

This relation was derived from the equation

$$h = \frac{Wbc_p \frac{dT_w}{dt}}{T_o - T_w}$$

which neglects conduction losses and the assumptions that h, W, and \mathbf{c}_{D} are constants.

If conduction losses are indeed very small, then

$$\ln \left[\frac{T_0 - T_{wi}}{T_0 - T_{w}} \right]$$

versus time is very nearly linear. Even when conduction effects are significant, a small linear portion of the curve can generally be found

DATA REDUCTION (Continued)

near the initial time. It is for this reason that a linear least squares curve fit of ln $((T_0 - T_{wi})/(T_0 - T_w))$ versus time, beginning at the time the model reached uniform flow, was used to compute the derivative

$$\frac{1[\ln \left(\frac{T_{0}-T_{wi}}{T_{0}-T_{w}}\right)]}{\frac{0}{dt}}.$$

The lengths of the curve fits were kept as short as possible without measuring system noise characteristics. These curve fit lengths are given below:

Range	No. of Points
$32 < \frac{dT_w}{dt}$	5
$16 < \frac{dT_{w}}{dt} \le 32$	7
$8 < \frac{dT_w}{dt} \le 16$	9
$4 < \frac{dT_w}{dt} \le 8$	13
$2 < \frac{dT_w}{dt} \le 4$	17
$1 < \frac{dT_w}{dt} \le 2$	25
$\frac{dT_{w}}{dt}$ < 1	41

The following expression was evaluated at the midpoint of the time interval used for each thermocouple:

$$c_p = 0.0797 + (5.556 \times 10^{-5}) T_w$$
.

DATA REDUCTION (Concluded)

(i)

The maximum observed variation of c_p was less than one percent. Thus, the assumption of constant c_p was reasonable. The value of density used for the 17-4 PH stainless steel skin was W = 490.0 lbm/ft³. The skin thickness (b) for each thermocouple is listed in Table IV.

REFERENCES

- 1. Test Facilities Handbook (Tenth Edition). "Von Karman Gas Dynamics Facility, Vol. 3". Arnold Engineering Development Center, May, 1974 SD75-SH-0118,V.
- 2. "Pretest Information for Testing the 56-0 0.0175-Scale Thermocouple Insert Model in the AEDC/VKF B Wind Tunnel" by W. H. Dye, May 14,1975 .
- 3. Data Report: "NASA'Rockwell OH74 Heat Transfer", Arnold Engineering Development Centra, June 13, 1975, Project No. V41B-B8A.

TABLE I.
TEST CONDITIONS

Nominal test conditions at which the tests were conducted are given

below:

		HREF	
PO, psia	TO, °R	Btu/ft ² -sec-°R	$RN/L \times 10^{-6}$
84	1178	0.0154	0.46
188	1250	0.0232	0.95
300	1269	0.0289	1.45
419	1290	0.0342	1.95
546	1305	0.0392	2.50
673	1338	0.0436	2 96
807	1348	0.0476	s.50
864	1344	0.0492	3.77
	84 188 300 419 546 673 807	84 1178 188 1250 300 1269 419 1290 546 1305 673 1338 807 1348	PO, psia TO, °R Btu/ft²-sec-°R 84 1178 0.0154 188 1250 0.0232 300 1269 0.0289 419 1290 0.0342 546 1305 0.0392 673 1338 0.0436 807 1348 0.0476

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8 3 18 30 42 101 54 89 66 67 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	2 17 29 41 3 18 30 42 4 19 31 43 5 20 32 44 6 21 33 45 77 34 46 79 35 77 80 36 48
8	3 18 30 42 4 19 31 43 5 20 32 44 6 21 33 45 77 79 34 46 80 36 48
8 6 21 33 44 103 55 90 67 8 6 21 33 45 104 57 92 69 5 76 105 58 93 70 106 59 94 71 106 59 94 71 106 59 94 71 107 60 95 72 108 108 108 108 109 109 109 109	4 19 31 43 5 20 32 44 6 21 33 45 76 34 46 77 34 46 79 35 7 80 36 48 37 49
8 5 20 32 44 103 56 91 (0) 8 6 21 33 45 104 57 92 69 7 7 76 34 46 107 60 95 72 7 7 79 35 46 10 60 95 72 3 80 36 48 2 2 8 37 49 2 2 8 37 49 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 20 32 44 6 21 33 45 77 79 34 46 79 35 77 80 36 48
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5 76 105 58 93 70 106, 59 94 71 7 75 34 46 107 60 95 72 3 80 36 48 61 96 73 2 37 49 61 96 73 2 37 49 71 2 48 72 72 3 80 36 48 73 4 71 70 70 70 70 70 70 70 70 70 70 70 70 70	77 77 79 34 46 80 36 48 37 49
2 34 46 107 60 95 72 3 80 36 48 61 96 73 2 37 49 61 96 73 2 37 49 61 96 73 2 48 61 96 73 2 1008 61 96 73 2 1008 61 96 73 2 1008 73 2 1008 73 2 1008 73 2 1008 73 2 1008 73	77 75 34 46 79 35 7 80 36 48 37 49
7 75 34 46 107 60 95 72 3 80 36 48 61 96 73 2 37 49 61 96 73 2 37 49 61 96 73 2 46 73 2 100 61 100 73 1000 73 100	75 34 46 79 35 7 80 36 48 37 49
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RV3003	GRBI TER	202			5	82			<i>y</i>	60/	65 9	7	74	
		25 2			1	83								
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TABLE III. MODEL DIMENSIONAL DATA

MODEL COMPONENT : BODY - B62		
GENERAL DESCRIPTION : Configuration	140C orbiter fus	clage, MCR 200-R
Similar to 140A/B fuselage except aft b	odyrevised ar	d improved
midbody-wing-boot fairing, $X_0 = 940$ to	$X_0 = 1040.$	
MODEL SCALE: 0.0175		
DRAWING NUMBER: VL70-000140C, -0 VL70-000200B, -0		95A
DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (IML: FWD Sta X ₀ =238), Length (OML: Fwd Sta X ₀ =235),		22. 58 22. 63
Max Width (At $X_0 = 1528.3$), In.	264.0	4.62
Max Depth (At $X_C = 1464$), In.	250.0	4.38
Fineness Ratio	4.899	4.899
Area - Ft ²		
Max. Cross-Sectional	340.885	0, 104
Planform		
Wetted		
Base	-	

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

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MODEL COMPONENT : CANOPY - C12		
GENERAL DESCRIPTION : Configuration	140C orbiter ca	nopy. Vehicle
cabin No. 31 updated to MCR 200-R4.	Used with fusels	ige B ₆₂ .
MODEL SCALE: 0.0175		
DRAWING NUMBER: VL70-000140C, -00	0202B, -000204	
•		
DIMENSIONS:	FULL SCALE	MODEL SCALE
Length $(X_0 = 434, 643 \text{ to } 578)$, I	n. <u>143, 357</u>	2,508
Max Width (At $X_0 = 513.127$), In.	152.412	2.667
Max Depth $(Z_0 = 501 \text{ to } 449.39)$,	In. 51,61	0,903
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform		
Wetted		
Base		

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ELEVON - E52		
GENERAL DESCRIPTION: Elevon for configuration elevon split line X _w = 312.5, 6.0", beveled e		
MODEL SCALE: 0.0175		
DIVINATIVE TO THE PARTY OF THE	-006089, -006092	
DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area - Ft ²	210.0	0.064
Span (equivalent) - In.	349.2	6. 111
Inb'd equivalent chord- In.	118.0	2. 065
Outb'd equivalent chord	55.19	0.966
<pre>Ratio movable surface chord/ total surface chord</pre>		
At Inb'd equiv. chord	0,2096	0.2096
At Outb'd equiv. chord	0.4004	0.4004
Sweep Back Angles, degrees		
Leading Edge	0.0	0.0
Trailing Edge	- 10.056	- 10.056
Hingeline (Product of area & c)	0.0	0.0
Area Moment (মাধানার মিকার মাধ্য করে করিব বিশ্ব বিশ্র বিশ্ব বিশ্র	1587. 25	0.008
Mean Aerodynamic Chord In.	90.7	1.587
Hingeline dihedral (origin at Z = 261.3509), deg.	5.229	5, 229

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT FODY FLAP	F ₁₀	
GENERAL DESCRIPTION : Configuration 1	40C body flap.	Hingeline loca
at $X_0 = 1532$, $Z_0 = 287$.		
MODEL SCALE: 0.0175		
DRAWING NUMBER: VL70-000140C, -35	5114	
DIMENSIONS:	FULL SCALE	MODEL SCALE
Length $(X_0 = 1525.5 \text{ to } X_0 = 1613),$	In. 87.50	1.531
Max Width (At L. E., $X_0 = 1525.5$),	In. 256.00	4. 480
Max Depth ($X_0 = 1532$), In.	19.798	0.346
Fineness Ratio		
Area - Ft ²		
Max. Cross-Sectional(At H. L.	35. 196	0. 011
Planform	135.00	0.041
Wetted		
Base $(X_0 = 1613)$	4.89	0.0015

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

pod.

MODEL COMPONENT : OMS POD - M16		
GENERAL DESCRIPTION :Configuratio	n 140C orbiter (OMS Pod - short
MODEL SCALE: 0.0175		
DRAWING NUMBER: VL70-008401, -	008410	
DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (OMS Fwd Sta $X_0 = 1310$.	5),In. 258. 50	4. 524
Max Width (At $X_0 = 1511$), In.	136, 8	2, 394
Max Depth (At $X_0 = 1511$), In.	74. 70	1.307
Fineness Ratio	2. 484	2.484
Area = Ft^2		-
Max. Cross-Sectional	58.864	0.018
Planform		-
Wetted		
Base		

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: RUDDER - R19		
GENERAL DESCRIPTION: Configuration 140C	orbiter rudder	used on center-
line vertical tail V ₈ . 30 deg. bevel and 0.5"	gaps between r	udder panels are
unsealed.		
MODEL SCALE: 0.0175		
DRAWING NUMBER: MCR Rev. 7		
DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area - Ft ²	100. 15	0. 03 1
Span (equivalent) _ In.	201,0	3.517
Inb'd equivalent chord - In.	91.585	1.603
Outb'd equivalent chord - In.	50.833	0.900
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	0.400	0.400
At Outb'd equiv. chord	0.400	0.400
Sweep Back Angles, degrees	•	
Leading Edge	34.83	34. 83
irailing Edge	26. 25	26. 25
Hingeline (Product of area & c),	34.83	34. 83′
Area Moment (Normal-xto-xthngex-xxthnge	610.92	0.003
Mean Aerodynamic Chord, In.	73. 2	1.281

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TABLE III. - MODEL DIMENSIONAL DATA- Continued.

MODEL COMPONENT: VERTICAL - V 8		•
GENERAL DESCRIPTION: Configuration 140C orbit to configuration 140A/B vertical tail).	ter vertical ta	il (identical
MODEL SCALE: 0.0175 DRAWING NUMBER: VL70-0')140C, -000146B		
DIMENSIONS:	FULL SCALE	MODEL SC/LE
TOTAL DATA		
Area (Theo) - Ft ² Planform Span (Theo) - In. Aspect Ratio Rate of Taper Taper Ratio Sweep-Back Angles, Degrees. Leading Edge Trailing Edge O.25 Element Line Chords:	413, 253 315, 72 1, 675 0, 507 0, 404 45, 000 26, 25 41, 13	0,127 5,525 1,675 0,507 0,404 45,000 26,25 41,13
Root (Theo) WP Tip (Theo) WP MAC Fus. Sta. of .25 MAC W.P. of .25 MAC B.L. of .25 MAC	268.50 108.47 199.81 1463.35 635.52 0.0	4.699 1.898 3.497 25.609 11.122 0.0
Airfoil Section Leading Wedge Angle - Deg. Trailing Wedge Angle - Deg. Leading Edge Radius	10.00 14.92 2.00	10.00 14.92 2.00
Void Area	13.17	0.0040
Blanketed Area	0.0	0.0

TABLE III. - MODEL DIMENSIONAL DATA - Concluded.

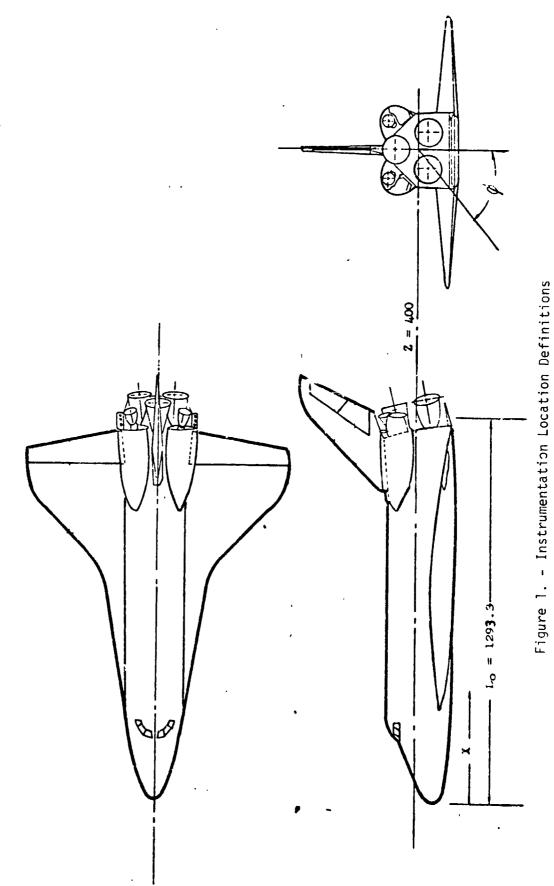
MODEL COMPONENT: WING-W137		
GENERAL DESCRIPTION: Configuration 140C orbiter	wing, MCR 200-	-R4. Similar to
140A/B wing W ₁₁₆ but with refinements: improve	d wing-boot-mid	lbody fairing
$(X_0 = 940 \text{ to } X_0 = 1040)$. Elevon split line reloc	ated from $Y_0 = 2$	3 to $Y_0 = 312.5$).
MODEL SCALE: 0.0175		
TEST NO.	DWG. NO. VL7	0-000140C, -000200B
DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area (neo.) Ft2 Planform Span (Theo In. Aspect Ratio Rate of Taper Taper Ratio Dinedral Angle, degrees Incidence Angle, degrees Aerodynamic Twist, degrees Sweep Back Angles, degrees Leading Edge Trailing Edge 0.25 Element Line Chords: Root (Theo) B.P.O.O. Tib, (Theo) B.P. MAC Fus. Sta. of .25 MAC W.P. of .25 MAC B.L. of .25 MAC EXPOSED DATA Area (Theo) Ft2 Span, (Theo) In. BP108 Aspect Ratio Chords Root BP108 Tip 1.00 b MAC Fus. Sta. of .25 MAC W.P. of .25 MAC B.L. of .25 MAC Aspect Ratio Chords Root BP108 Tip 1.00 b ASPECT RATIO Chords Root BP108 Tip 1.00 b AC Fus. Sta. of .25 MAC B.L. of .25 MAC Airfoil Section (Rockwell Mod NASA) XXXX-64 Root b T	2690, 00 936. 68 2, 265 1, 177 0, 200 3, 500 0, 500 3, 000 45. 000 - 10. 065 35, 209 689. 24 137, 85 474. 81 1136. 83 290. 58 182. 13 1751. 50 720. 68 2, 059 0, 245 562. 09 137, 85 392. 83 1185. 98 294. 30 251. 77	0.824 16.392 2.265 1.177 0.200 3.500 0.500 3.000 45.000 -10.065 35.209 12.062 2.412 8.309 19.895 5.085 3.187 0.536 12.612 2.059 0.245 9.837 2.412 6.875 20.755 5.150 4.406
Data for (1) of (2) Sides Leading Edge Cuff 2 Planform Area "t" Leading Edge Intersects Fus M. L. 0 Sta Leading Edge Intersects Wing 0 Sta	113.18 500.00 1024.0	0. 035 8. 750 17. 920

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TABLE IV.

THERMOCOUPLE LOCATIONS AND SKIN THICKNESSES

2	400.0	372.5							· ·					- >	>	372.5	S.							1	-	355.0	
X/L		8.	•	•	0.375	•	•	0.450	•	0.500	0.525	0.550	•	0.650	002.0	0.750	0.200	0.225	0.250	0.275	0.800	0.850	0.875	006.0	0.925	0.950	
b, in.	0220	•	•	•	•		•	0.0172	•	0.0180	0.0180	0.0190	•	0.0190	0.0200	0.0200	0.0195	0.0190	0.0190	0.0180	0.0185	0.0188	0.0170	0.0172	0.0180	0.0100	
T/C No.	55	56	57	58	59	09	61	62	63	- 64	65	99	29	89	69	70	71	72	73	74	75	16	77	78	79	80	
	,												.									,					
2	- 53	420.0	420.0	400.0																					-1	-	400.0
X/L	0.750	0.800	0.824	0.200	0.225	0.250	0.275	0.300	0.325	0.350	0.375	0.400	0.425	0.450	0.475	0.500	0.525	0.550	0.600	0.650	0.700	0.750	0.800	0.850	0.875	0.900	0.925
b, in.	0.0203	0.0202	0.0160	0.0210	0.0199	0.0199	0.0186	0.0180	0.0190	0.0192	0.0190	0.0189	0.0188	0.0195	0.0200	0.0200	0.0190	0.0200	0.0205	0.0210	0.0202	0.0205	0.0208	0.0180	0.0180	0.0160	0.0170
T/C No.	28	29	. 30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	84	49	20	51	52	53	54
······································																					• •••						
2	437.5	442.0	445.0													>	445.0	420.0							{	>	420.0
X/L	0.275	0.300	0.325	0.350	0.375	0.400	0.425	0.450	0.475	0.500	0.525	0.550	0.600	0.650	0.700	0.750	0.800	0.285	0.337	0.390	0.426	0.478	0.530	0.567	0.620	0.670	0.702
b, in.	0.0215	0.0210	0.0217	0.0215	0.0212	0.0217	0.0215	0.0218	0.0219	0.0220	0.0220	0.0222	0.0220	0.0220	0.0228	0.0220	0.0230	0.0100	0.0189	0.0189	0.0190	0.0200	0.0200	0.0205	0.0205	0.0205	0.0207
T/C No.		8	m	❖	S	9	7	<u></u>	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27



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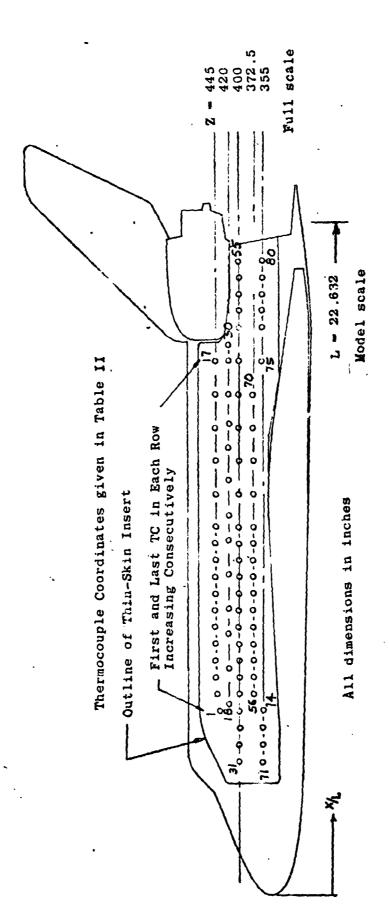


Figure .. - Fodel Sketch Showing Thin-Skin Insert and General TC Location

Notes:

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Positive directions of angles are indicated by arrows

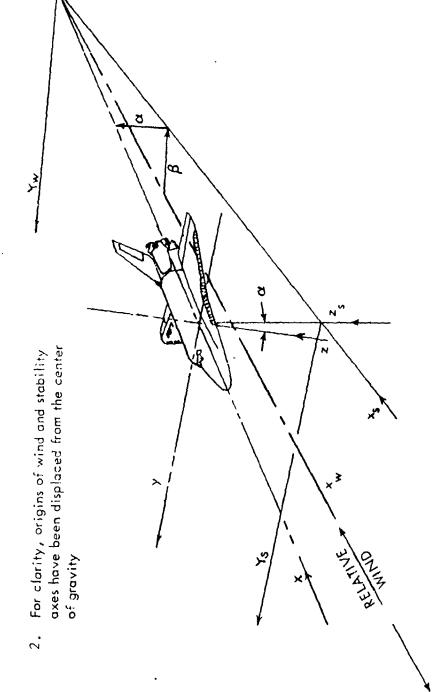
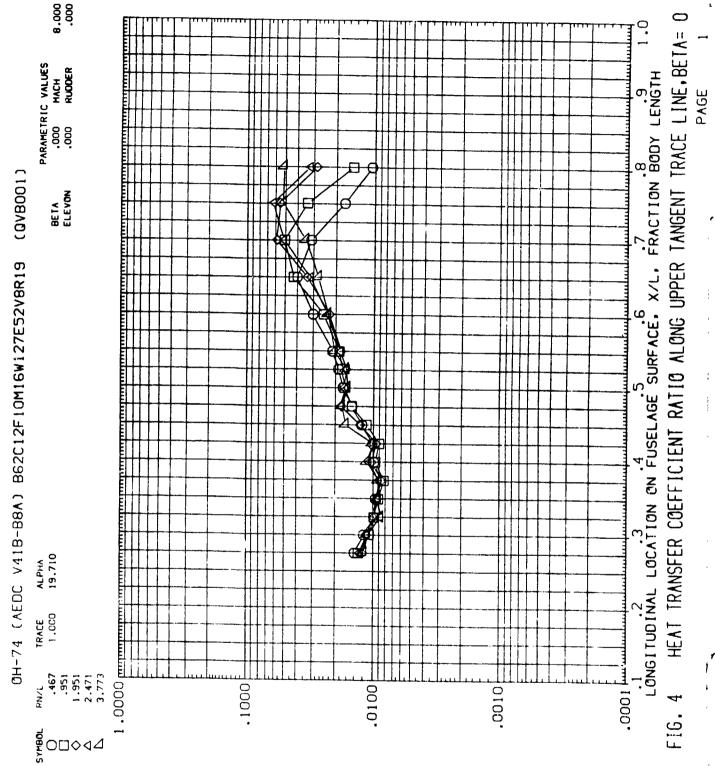


Figure 3. - Axis Systems.

DATA FIGURES



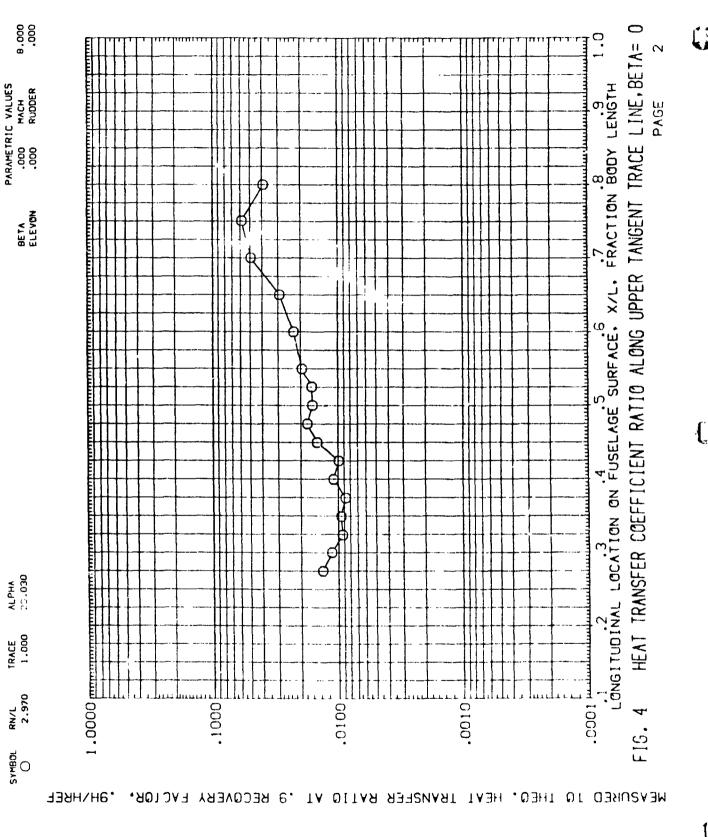
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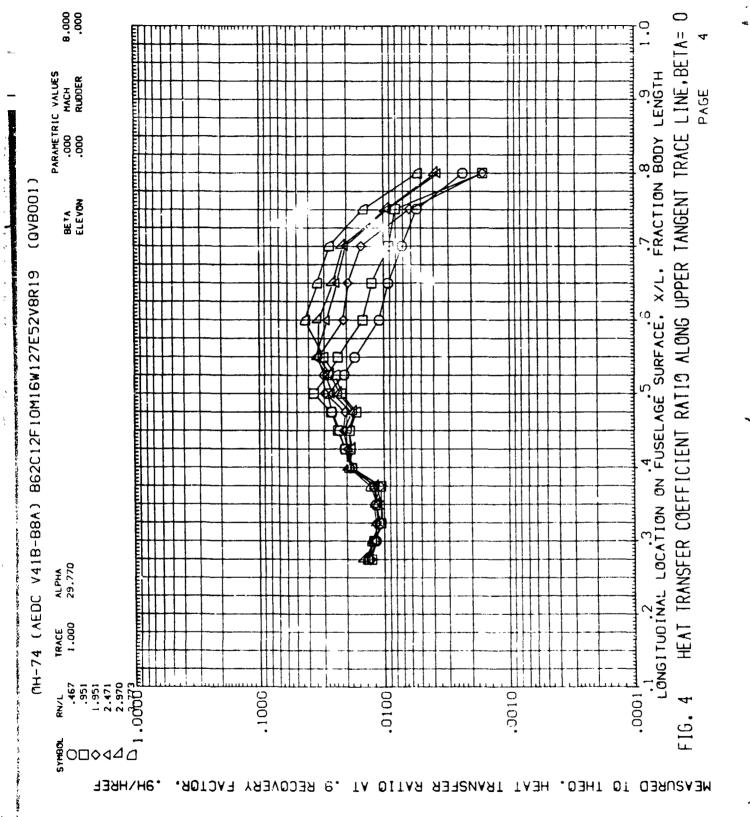


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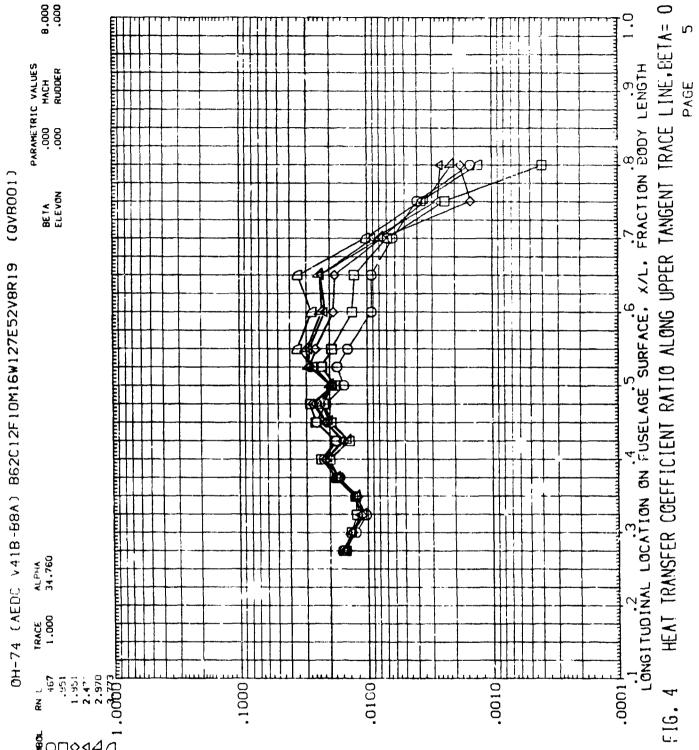
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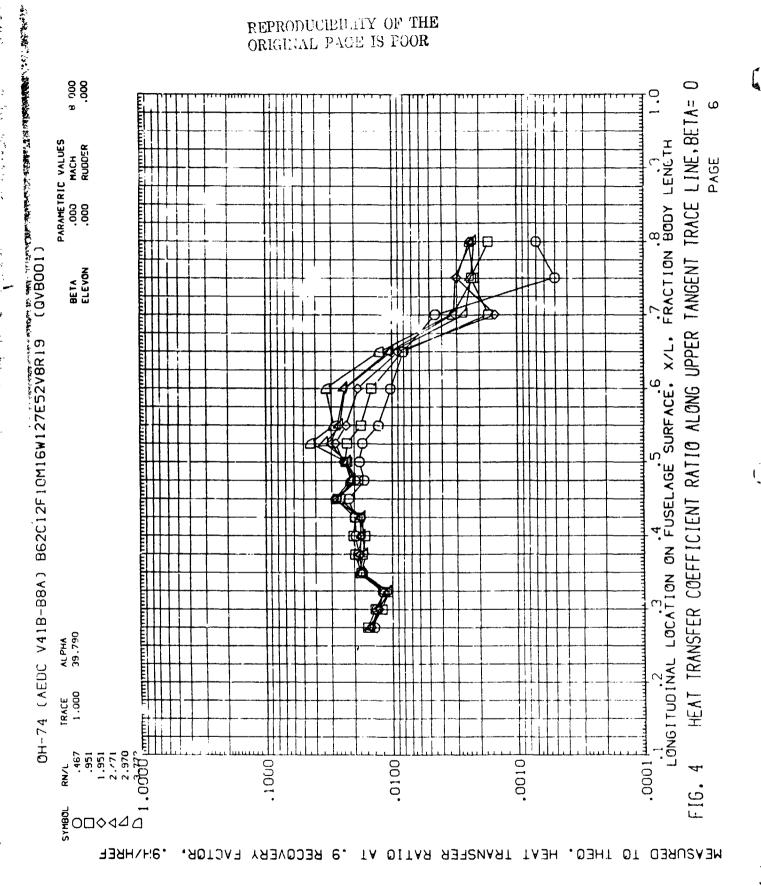
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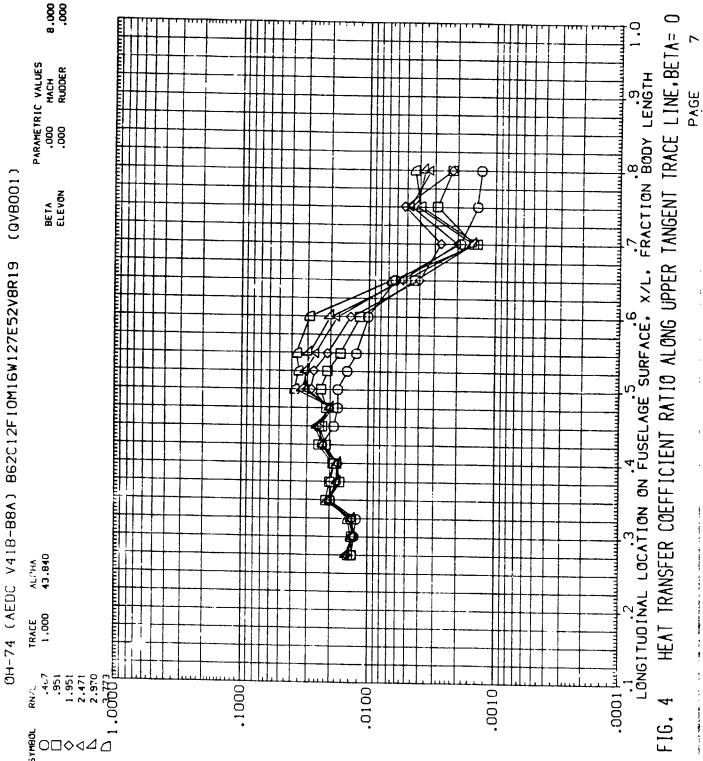
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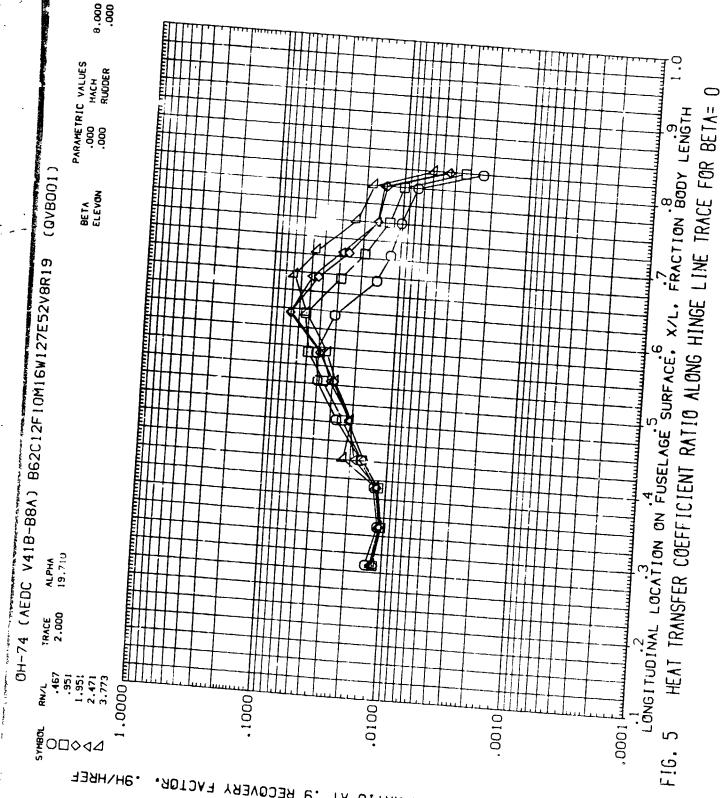


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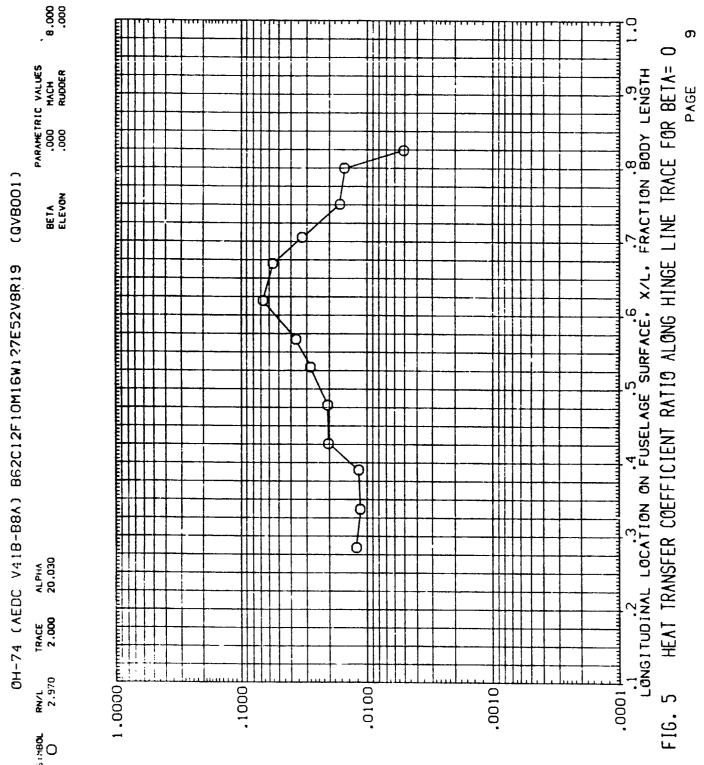


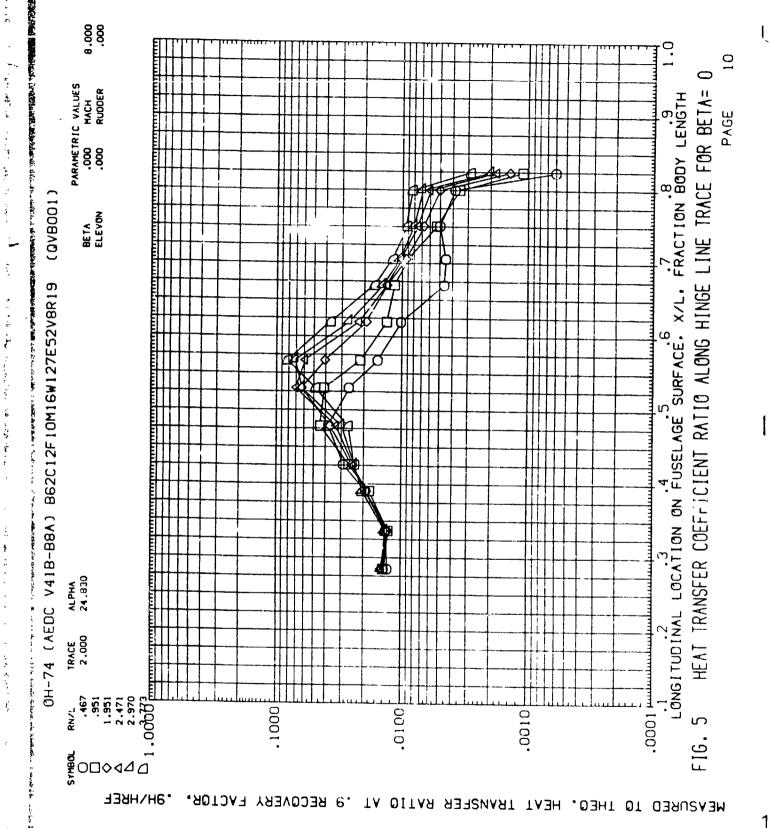
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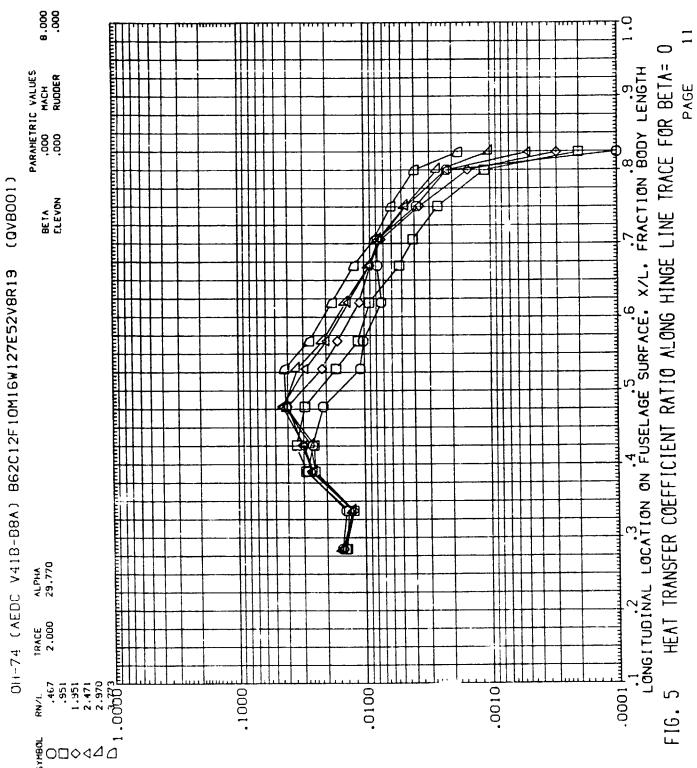
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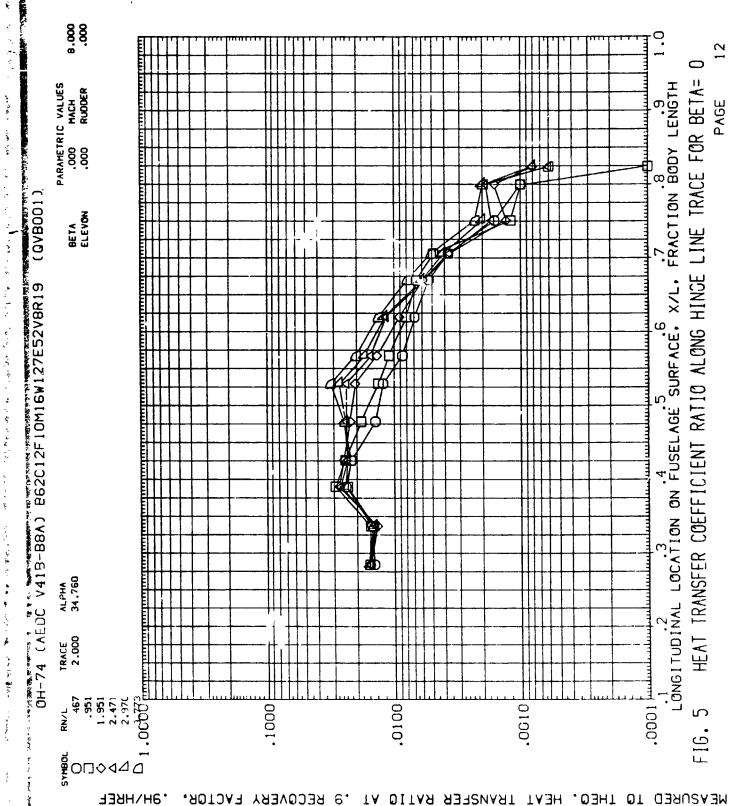
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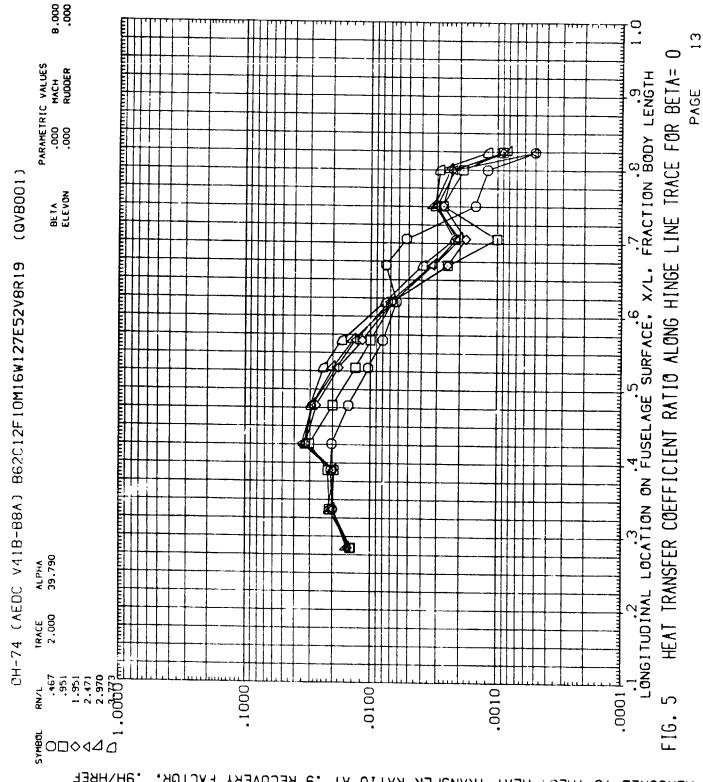






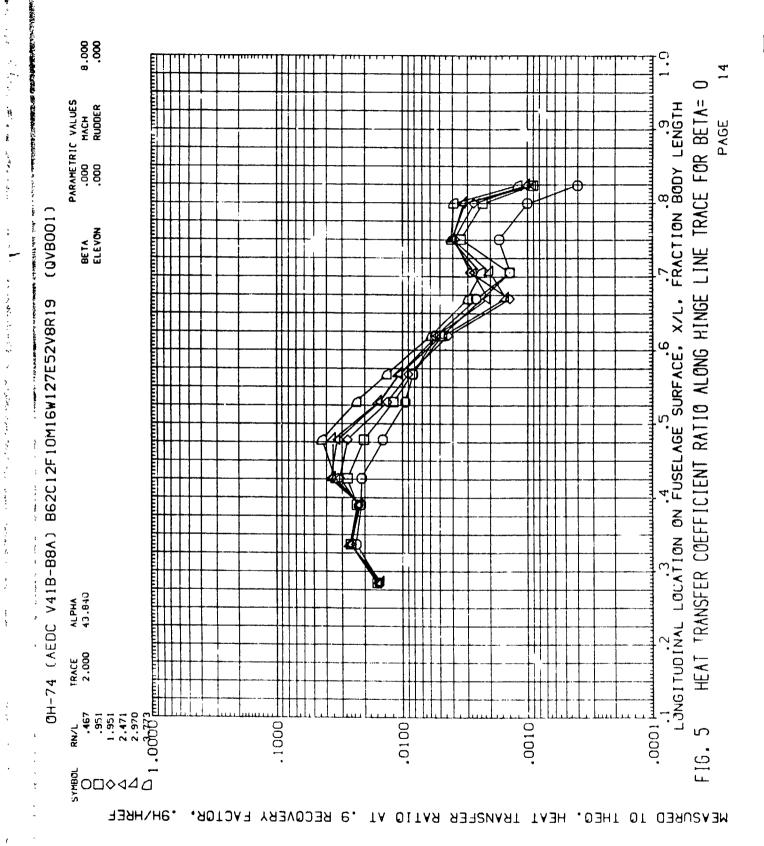
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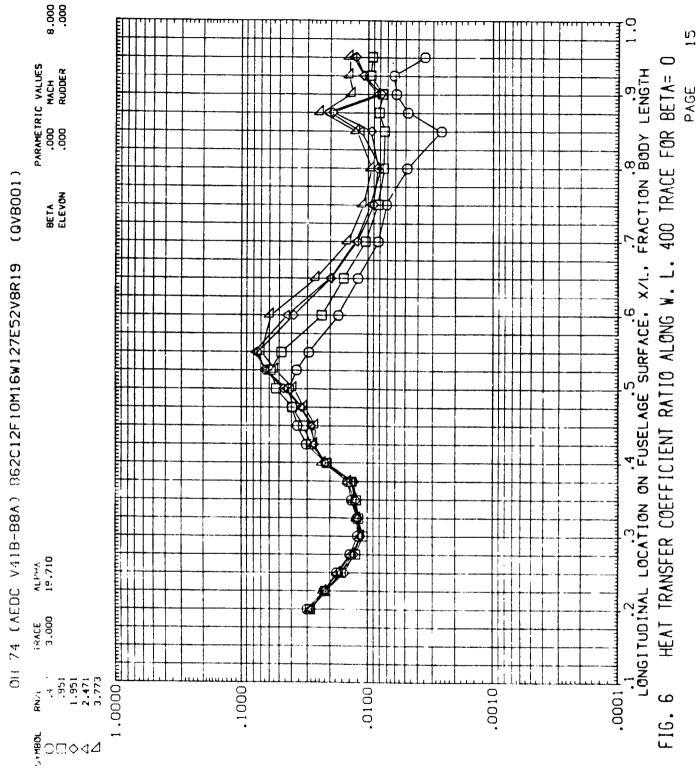


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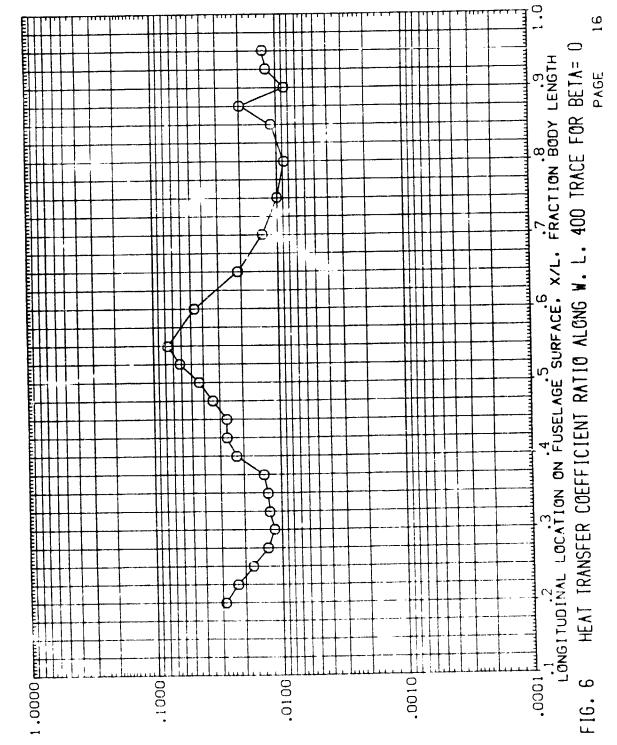


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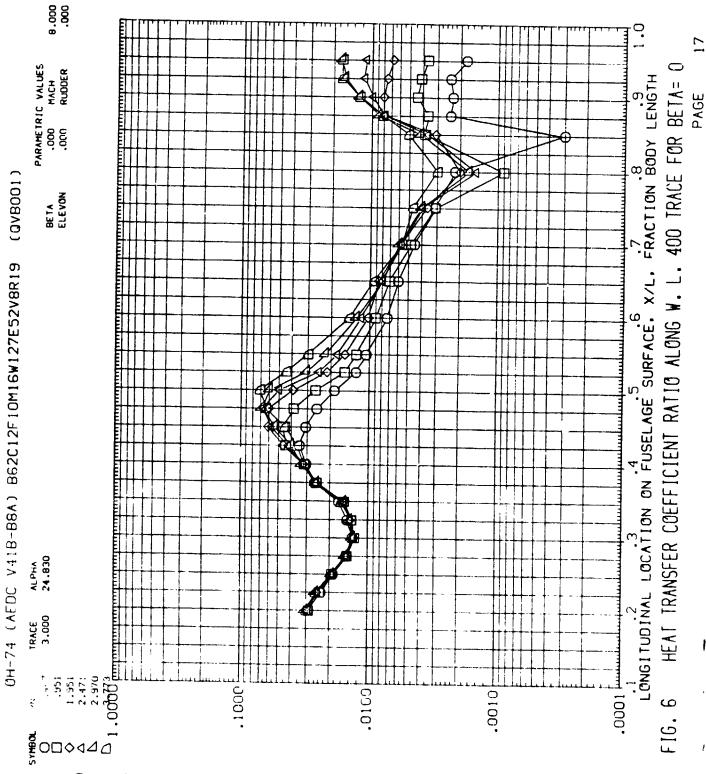
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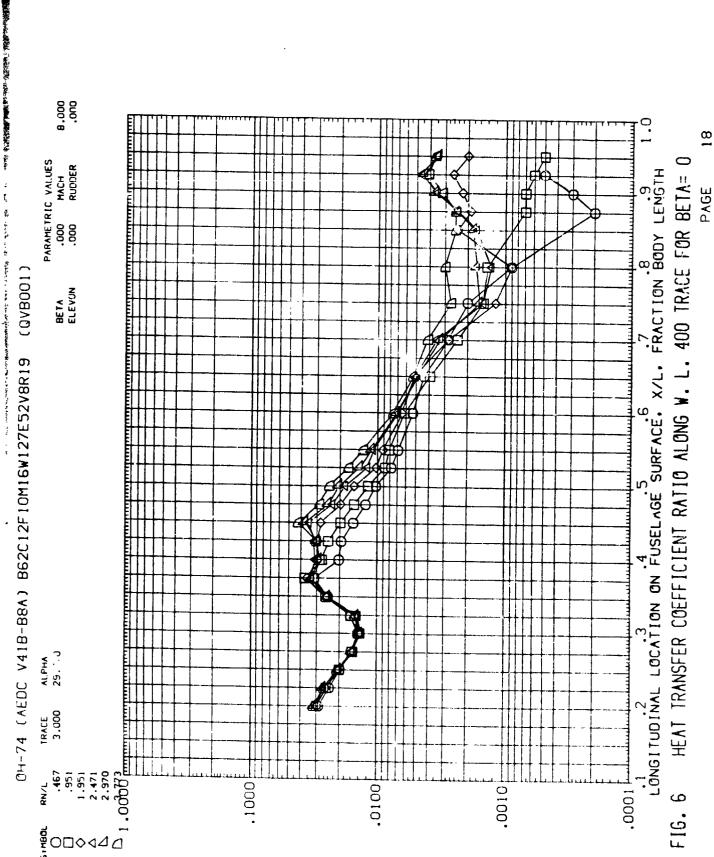
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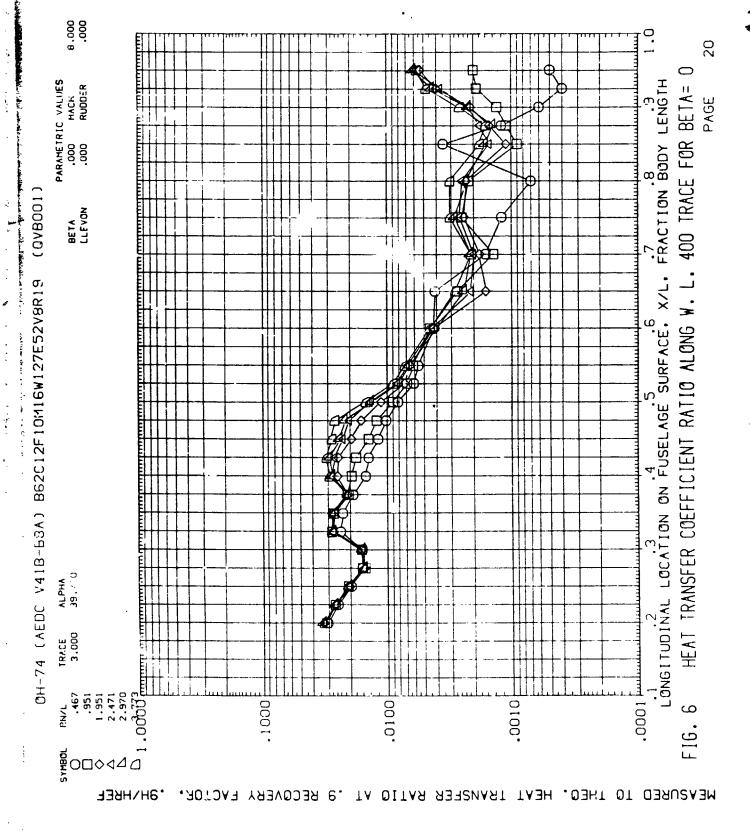


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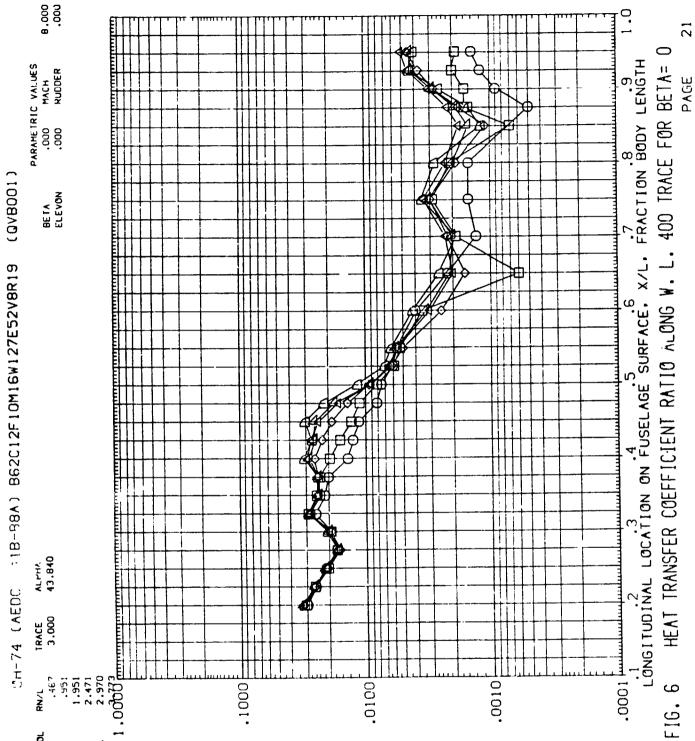
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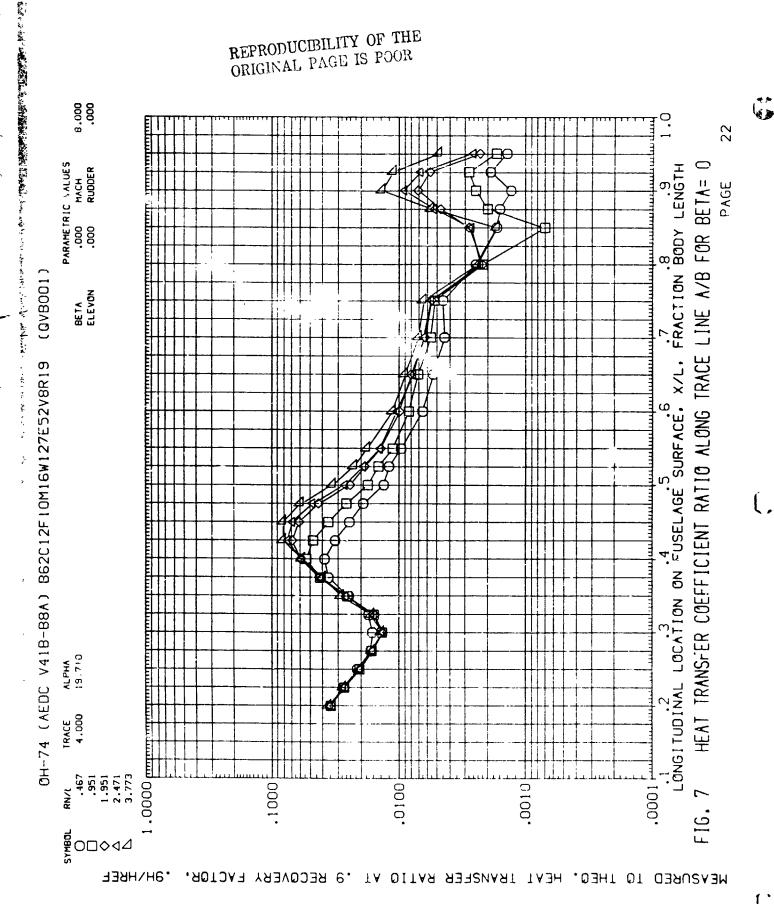
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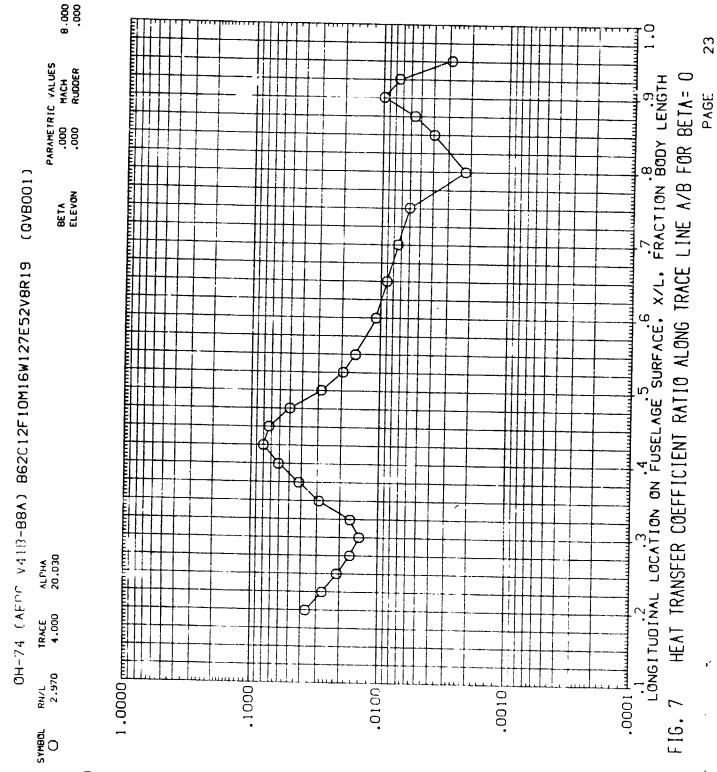


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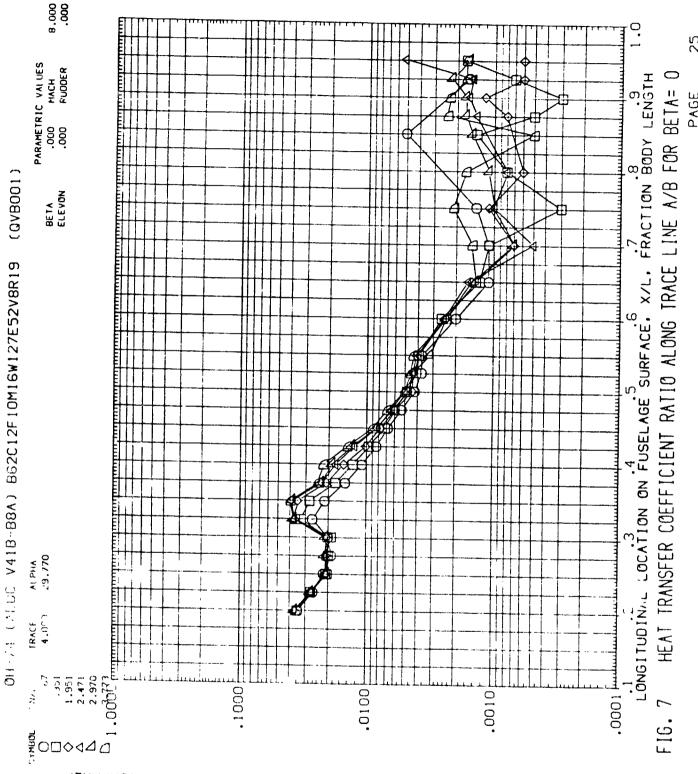
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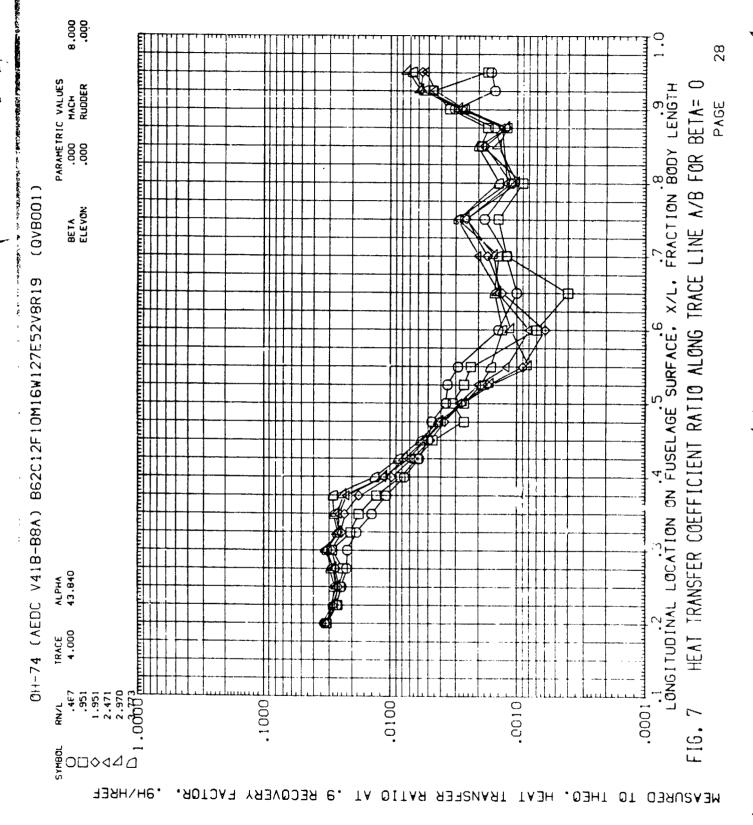
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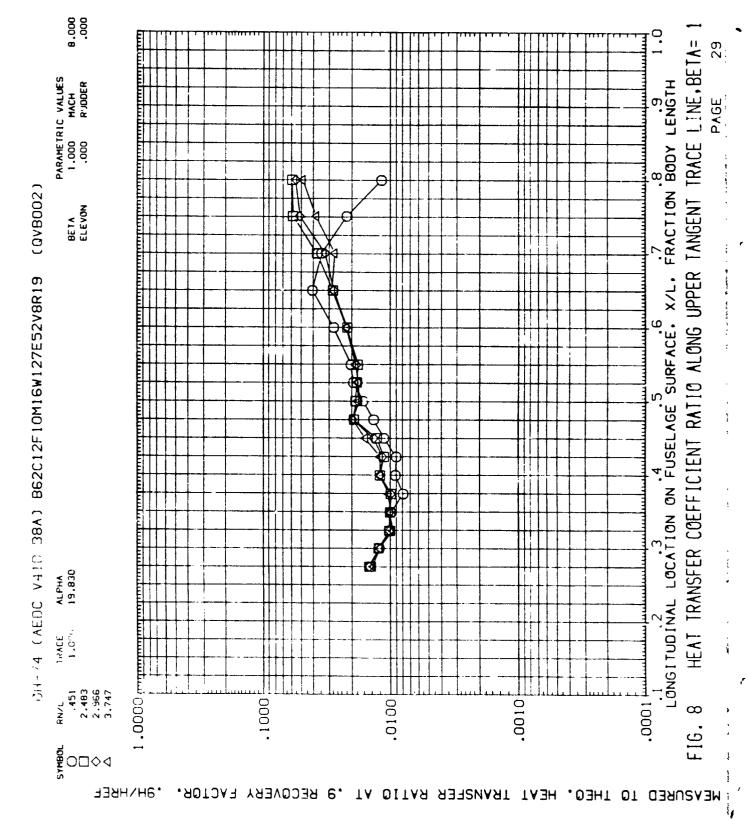
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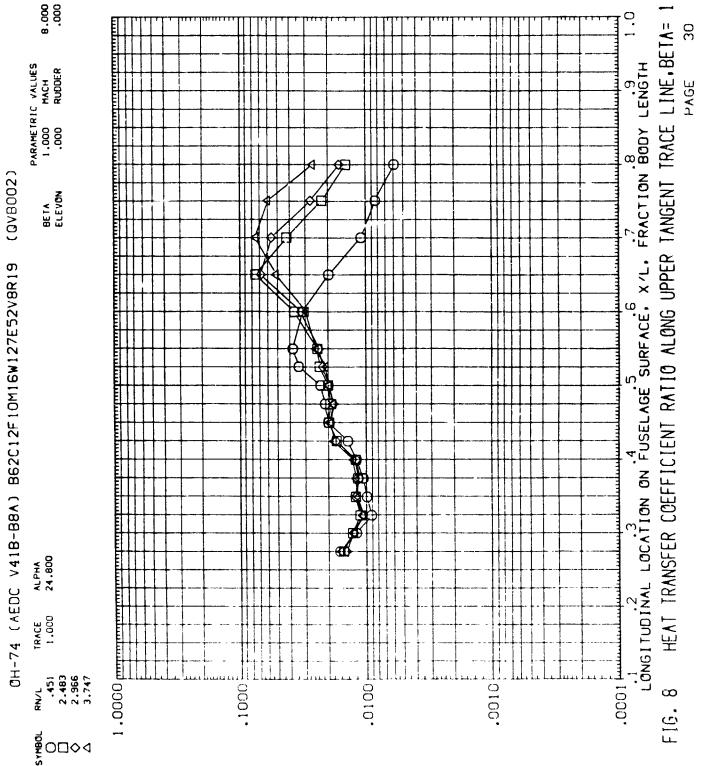
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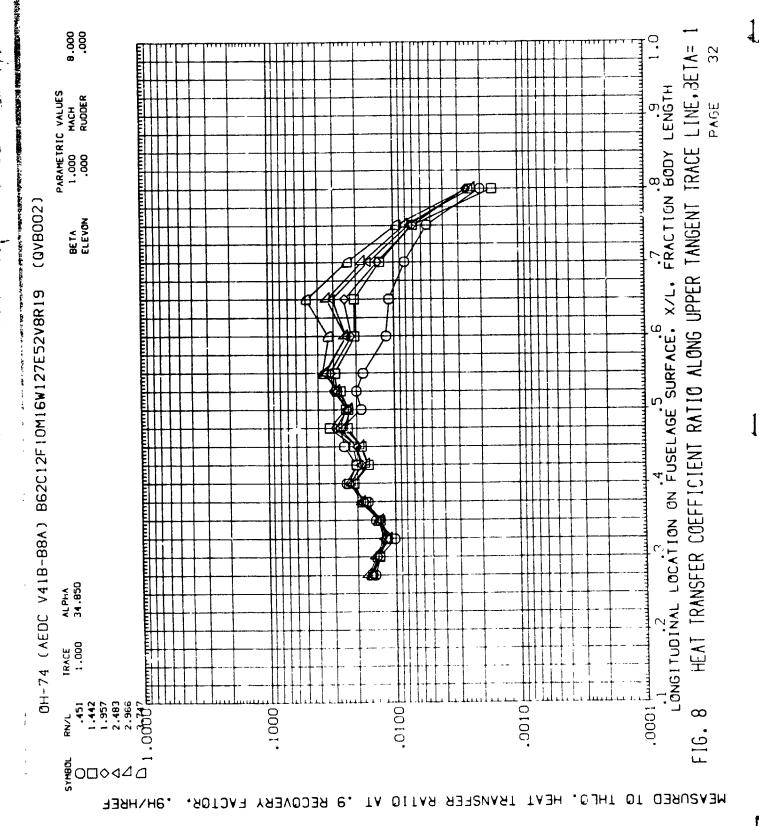


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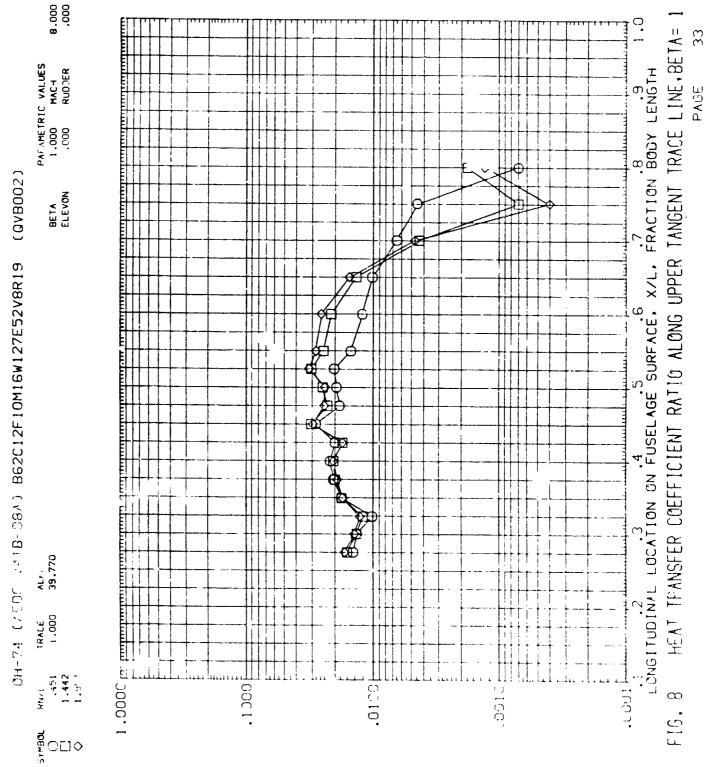
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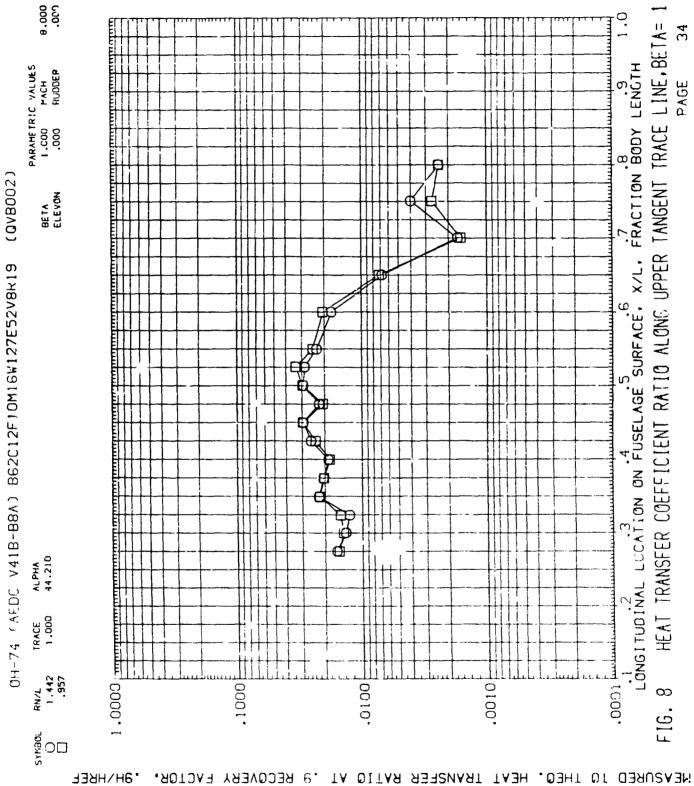
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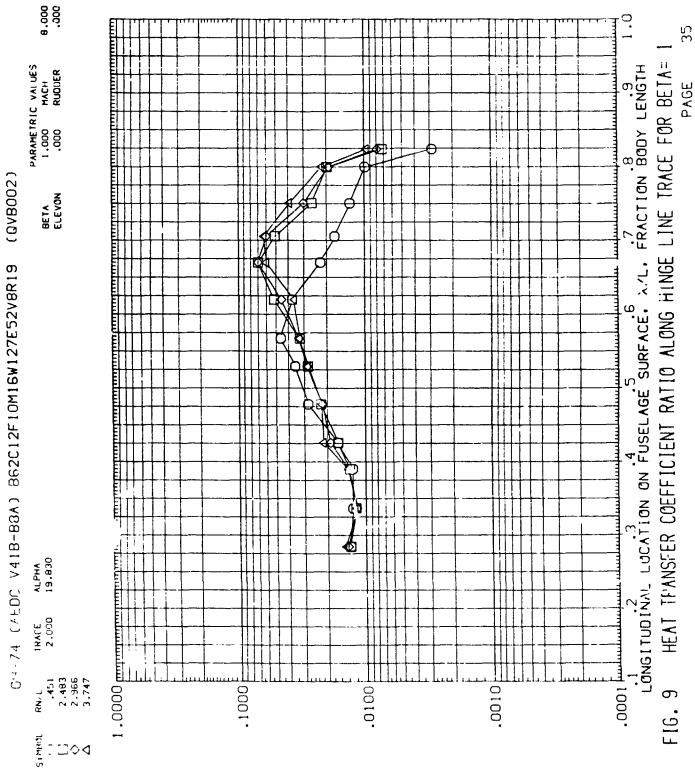


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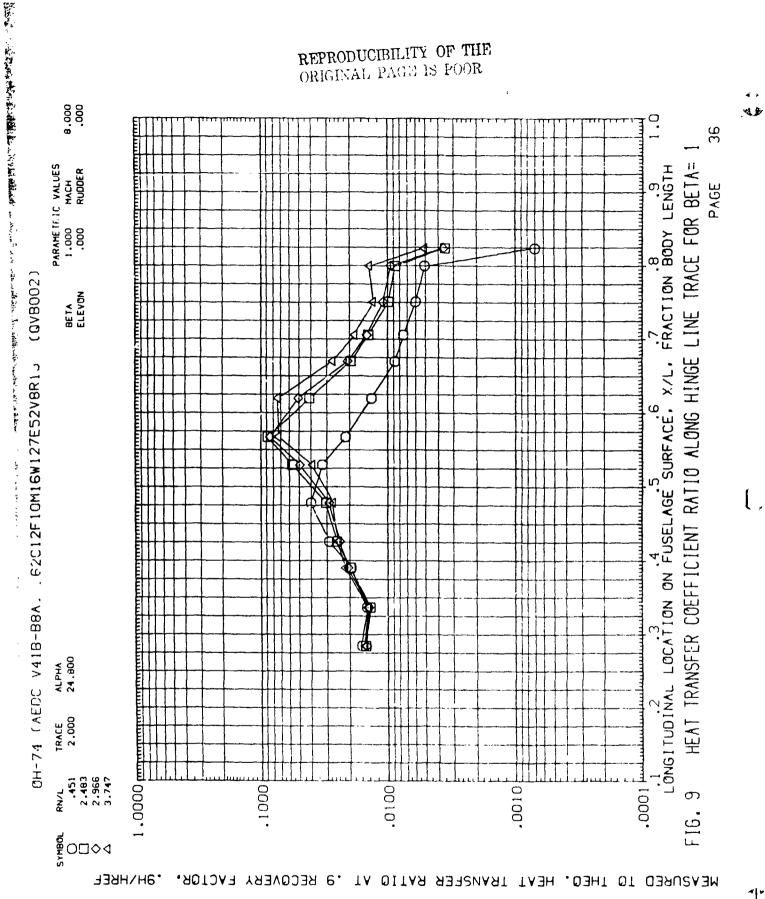
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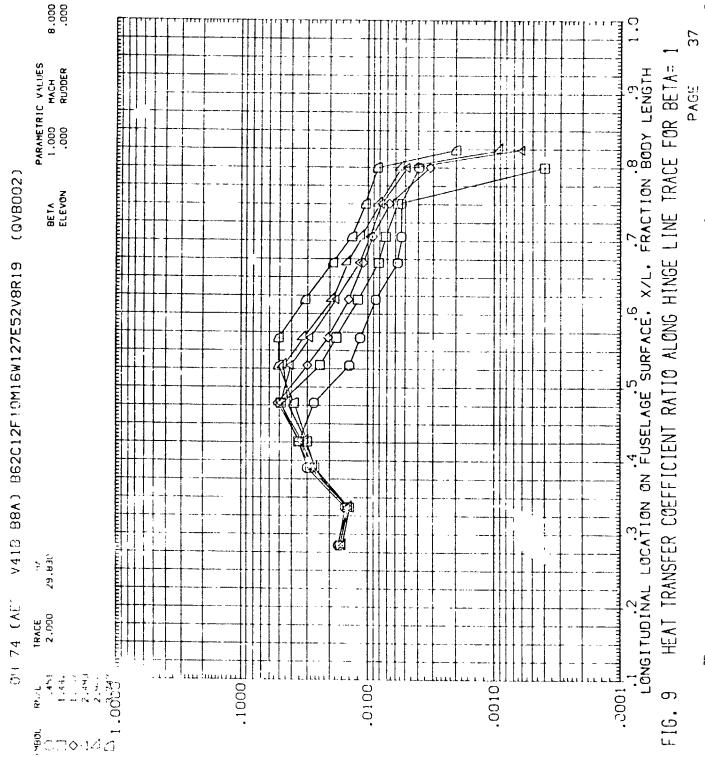
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8.000 .000 33 HEAT TRANSFER COEFFICIENT RATIO ALONG HINGE LINE TRACE FOR BETA= LONGITUDINAL LOCATION ON FUSELAGE SURFACE. X/L. FRACTION BODY LENGTH PARAMETRIC VALUES
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.000 RUDDER PAGE (QVB002) BETA ELEVON OH-74 (AEDC 711B-B8A) B62C12F10M16W127E52V8R19 ALPH 39.770 1.000C minimum 1RACE 2 000 سلسبا 2000. 100 too. RN/L .451 1.442 1.957 FIG. 9 .010 .1000 53 B レロぐ MEASURED TO THEO. HEAT TRANSFER RATIO AT .9 RECOVERY FACTOR.

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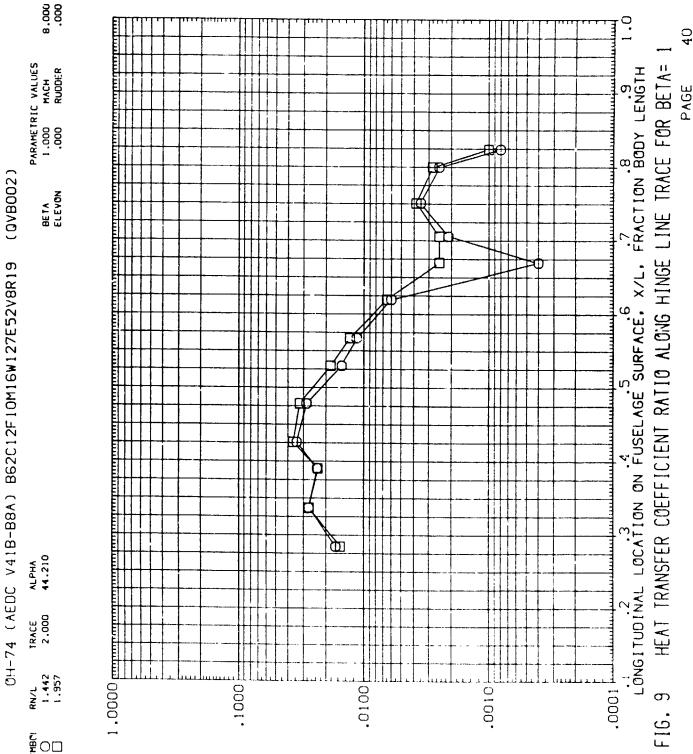
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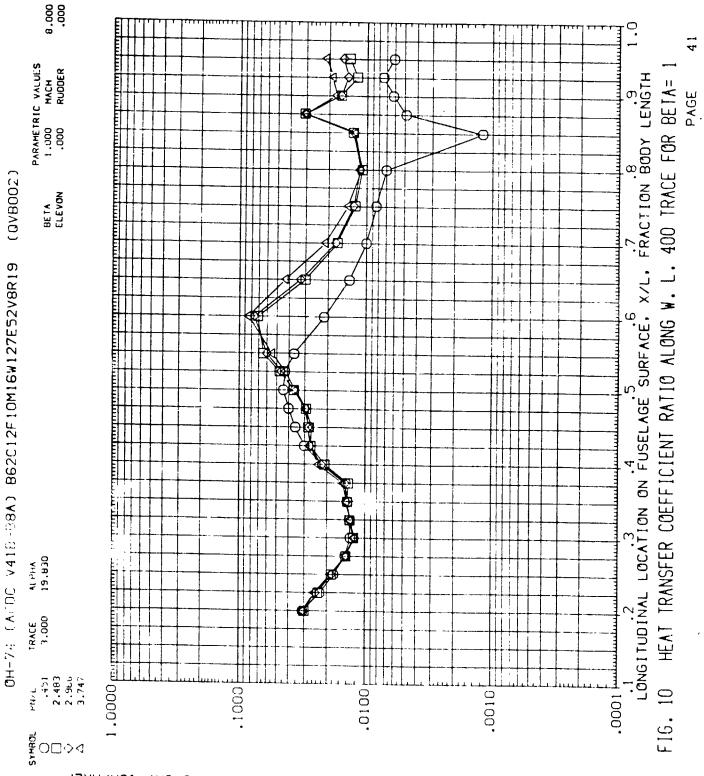
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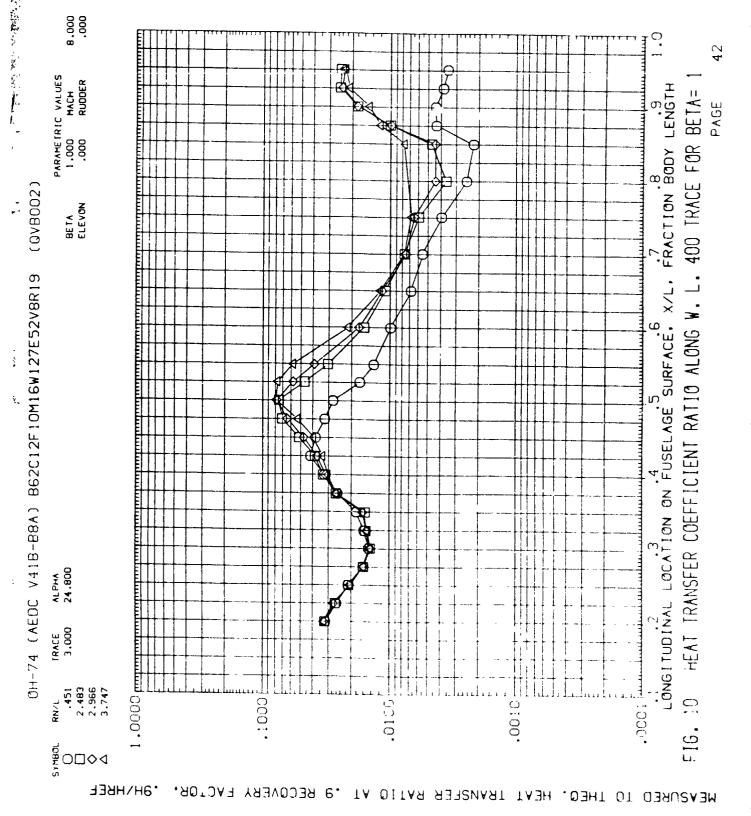


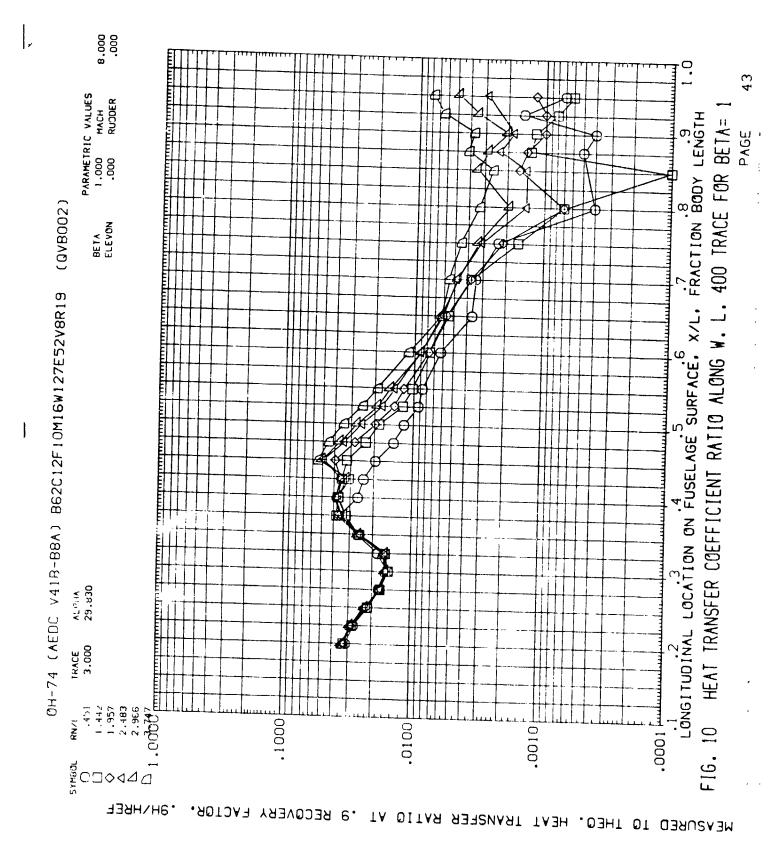
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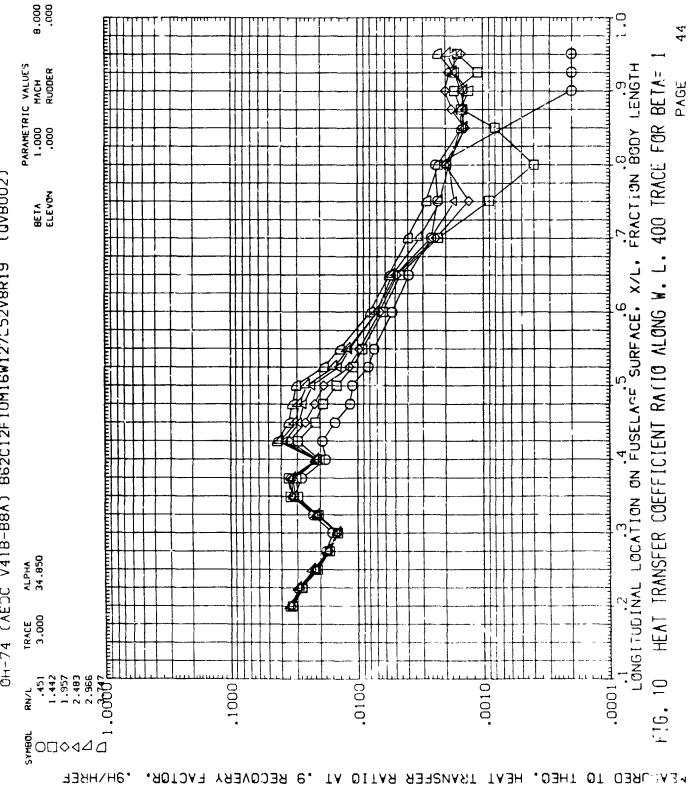
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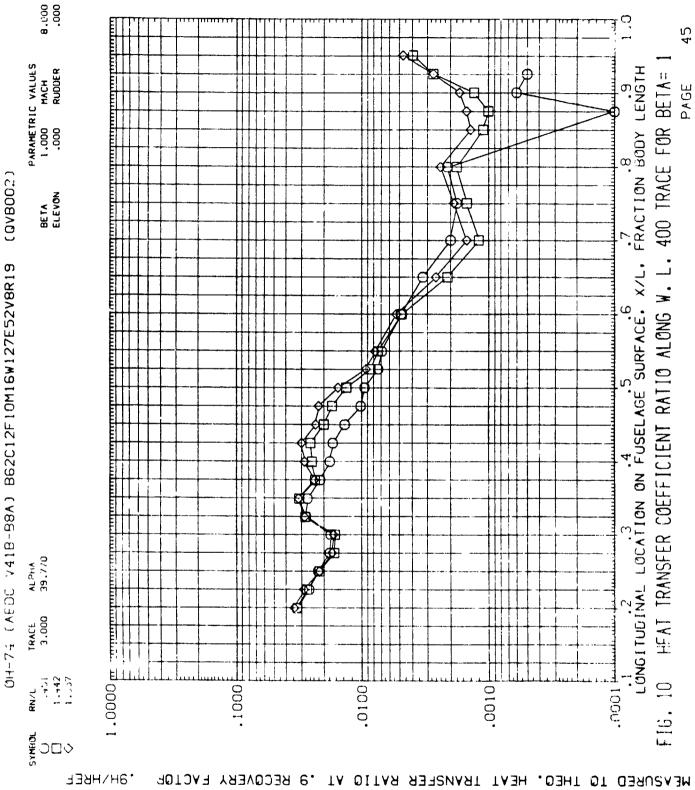






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1RACE 3.000 1.0000円 FIG. 10 .0100 .0010 .0001 .1000 SY#G C□C



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OH-74 (AEDC V418-B8A) B62C12F10M16W127E52V8R19 (QVB002)

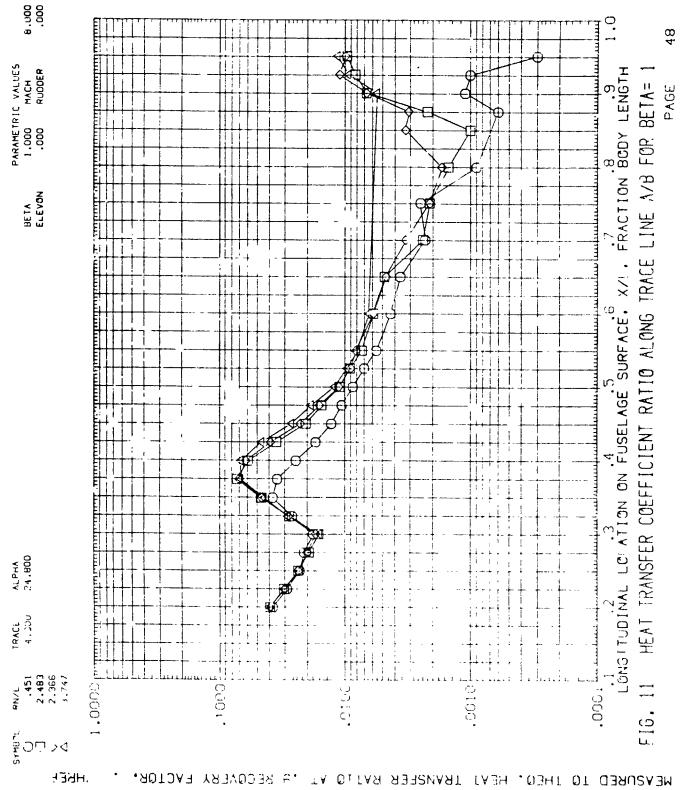
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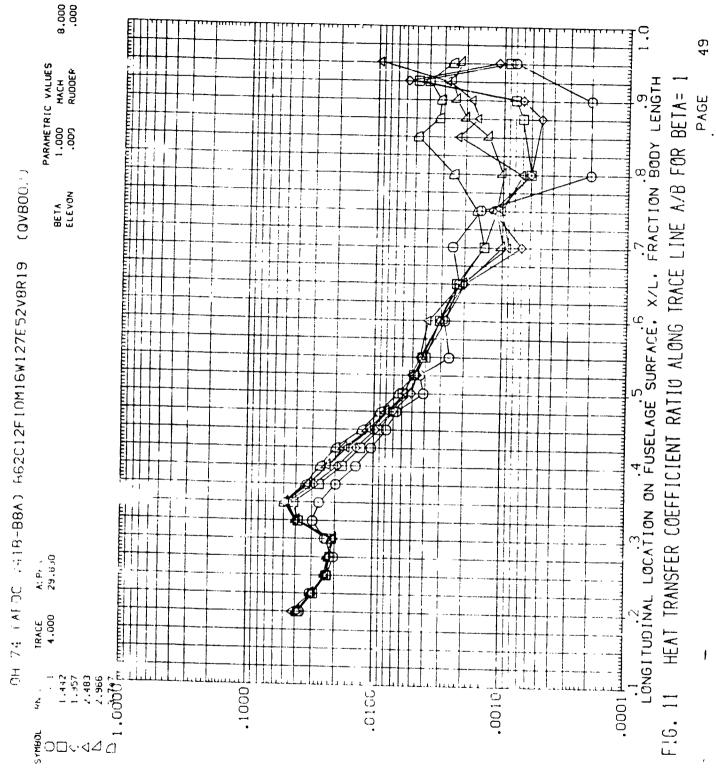
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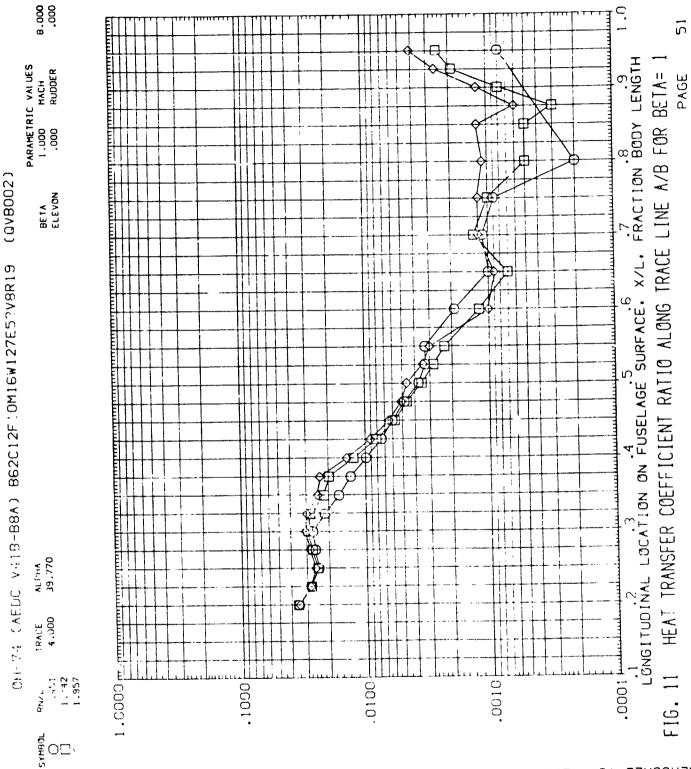
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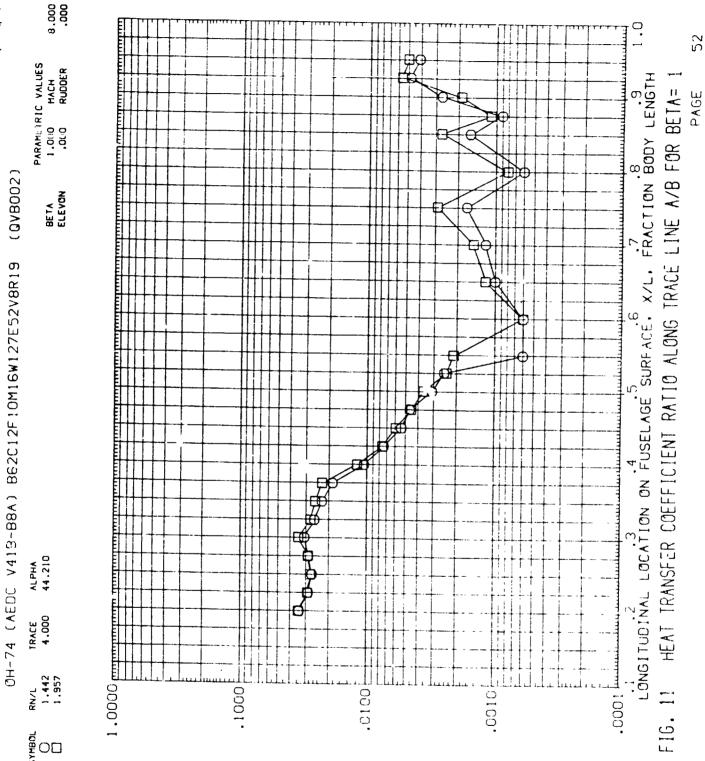
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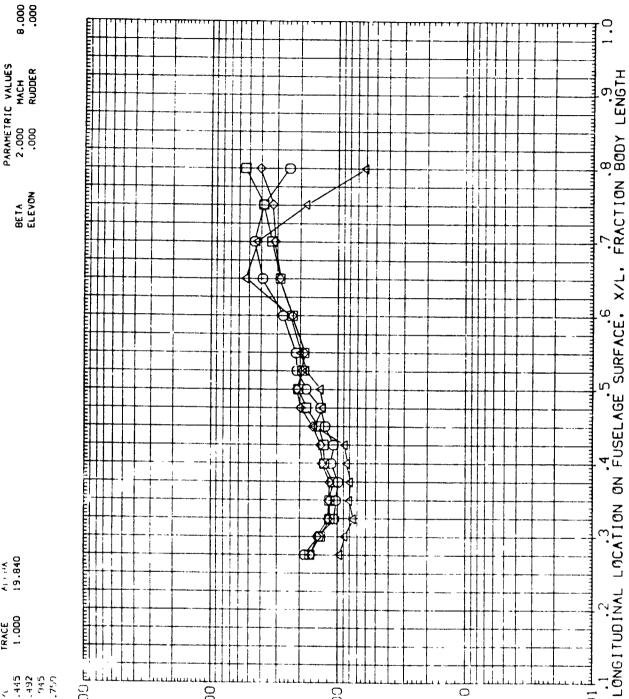


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HEAT TRANSFER COEFFICIENT RATIO ALONG UPPER TANGENT TRACE LINE, BETA= 2

FIG. 12

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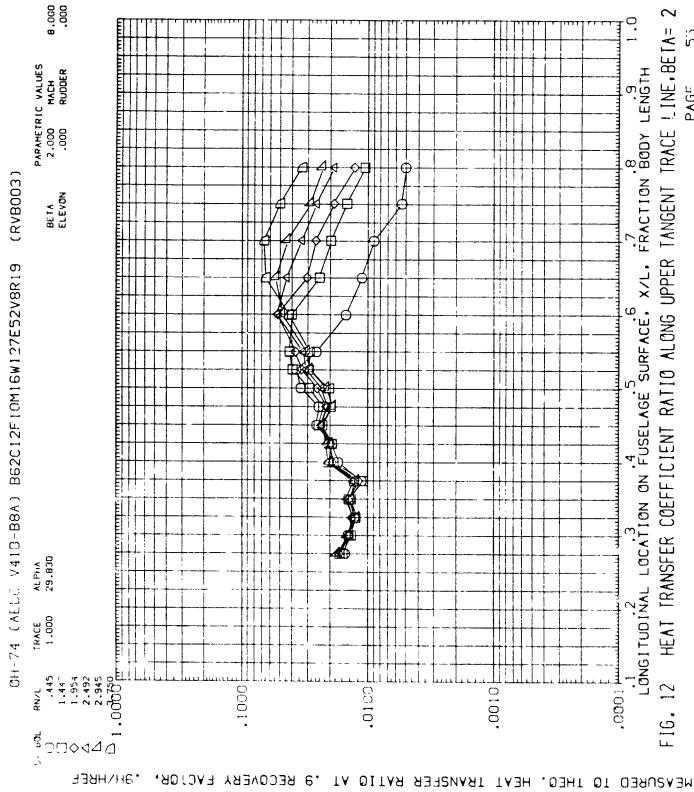
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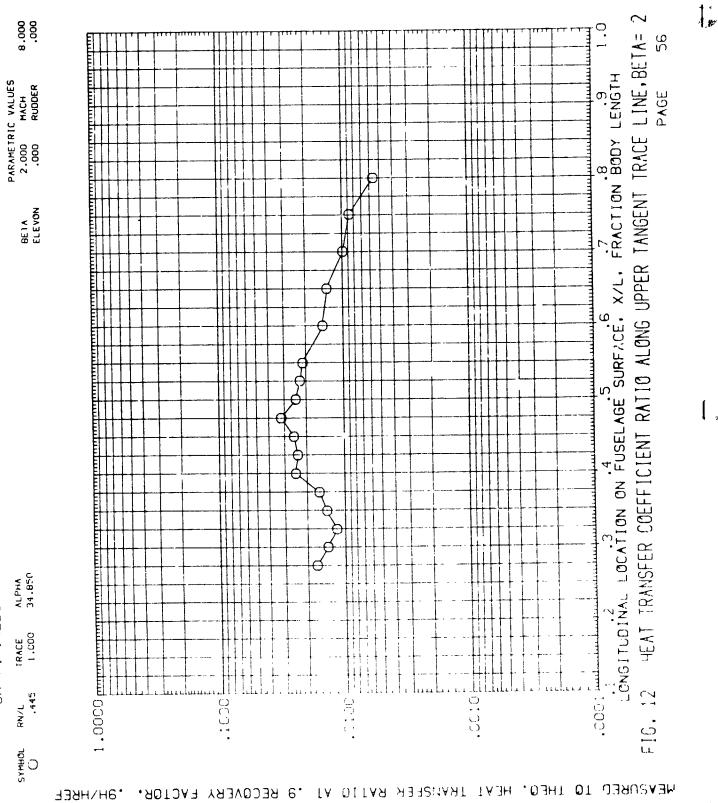


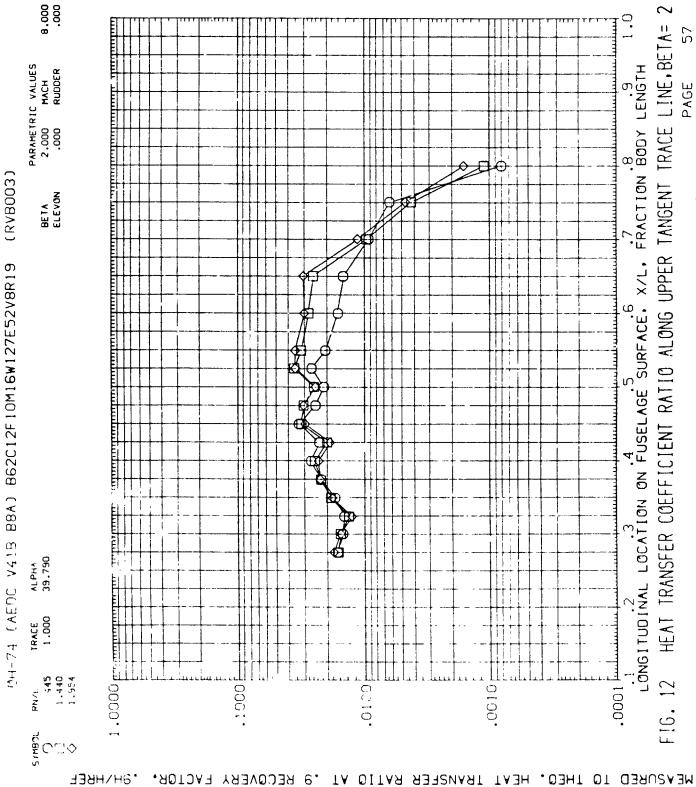
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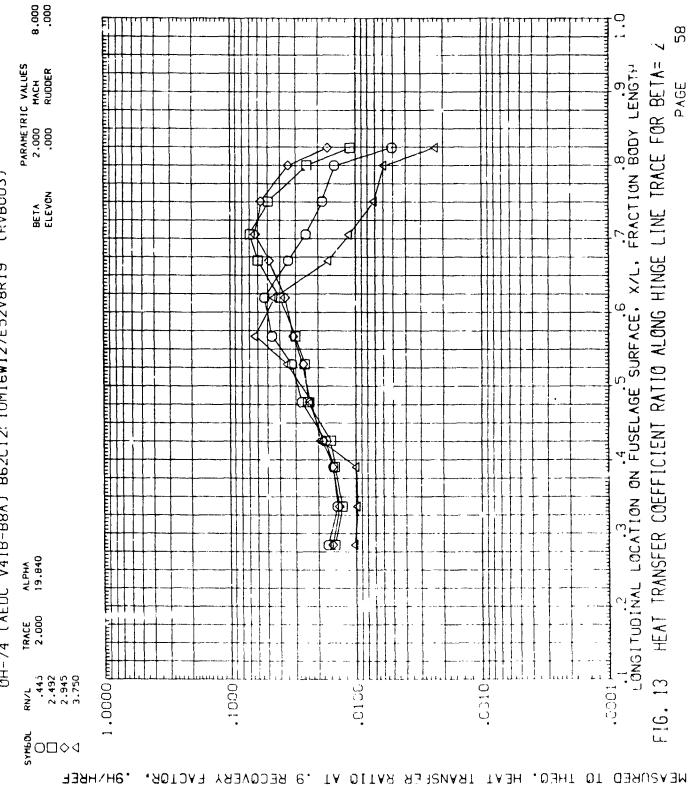
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OH 74 (AEDC V418-B8A) B62C12F10M16W127E52V8R19 (RVB003)

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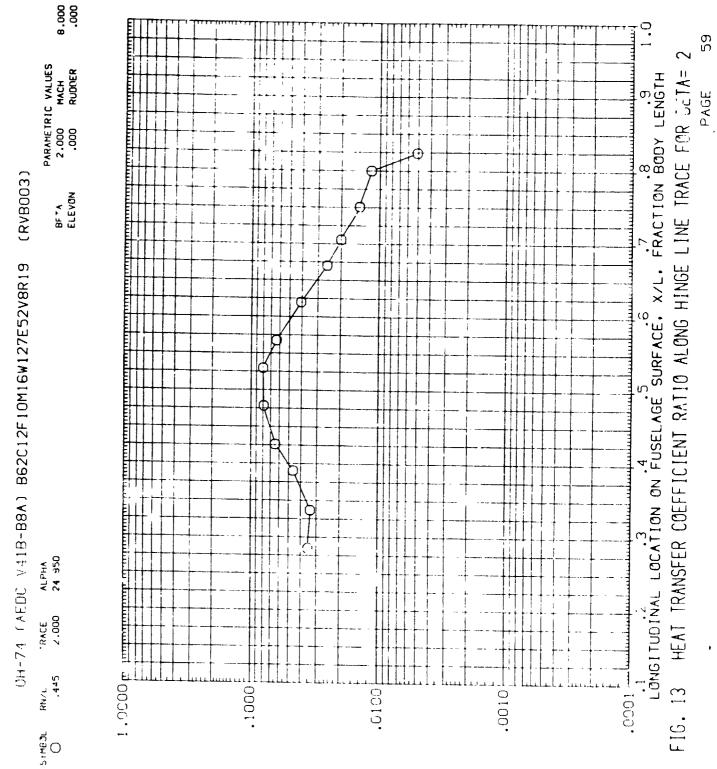






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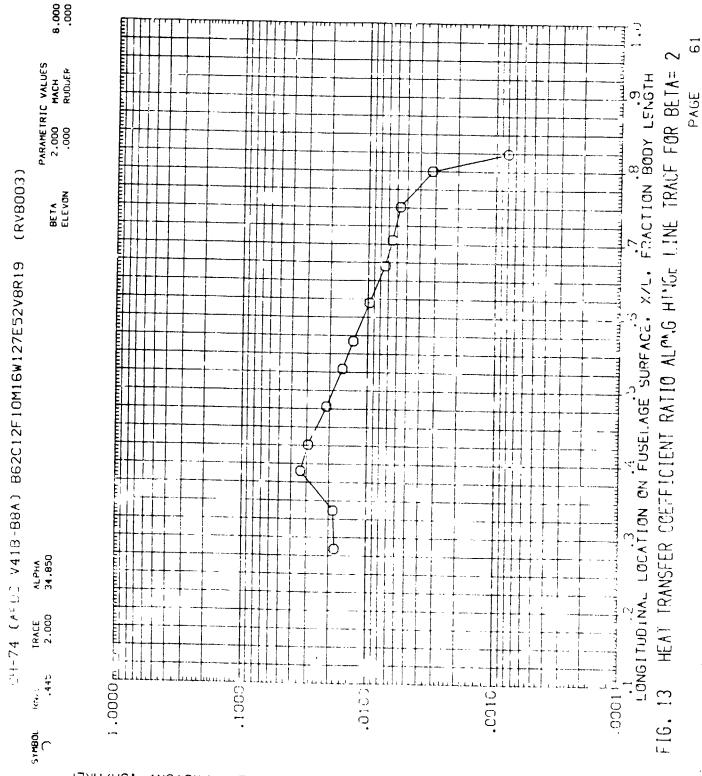
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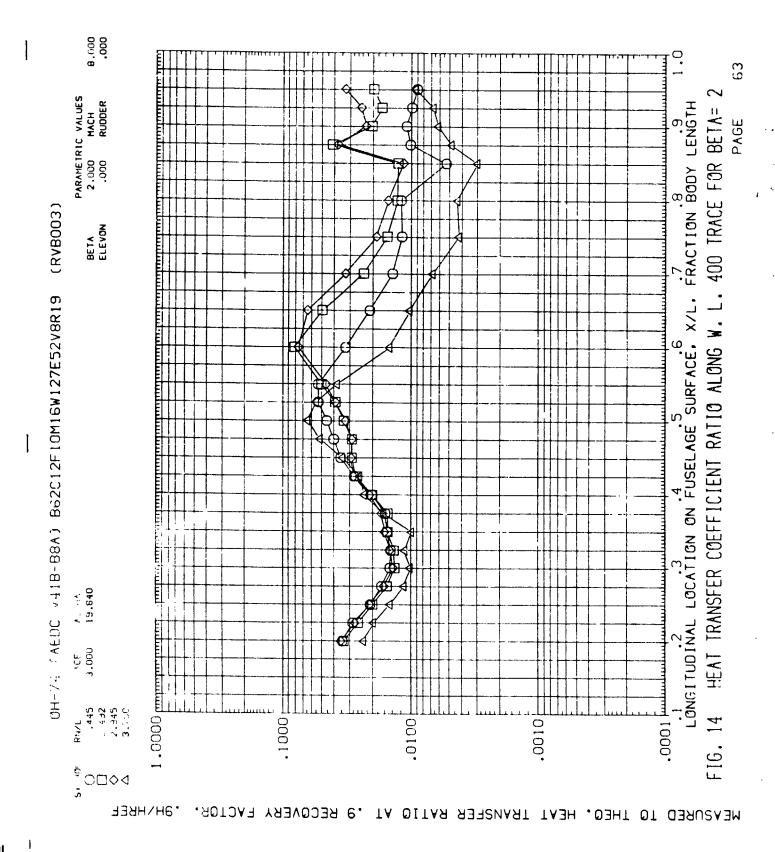
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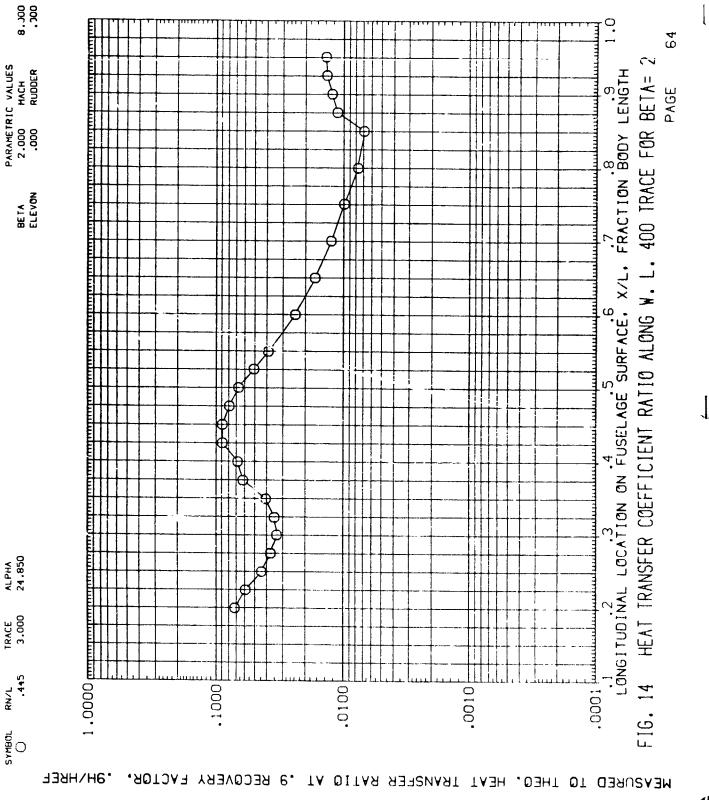
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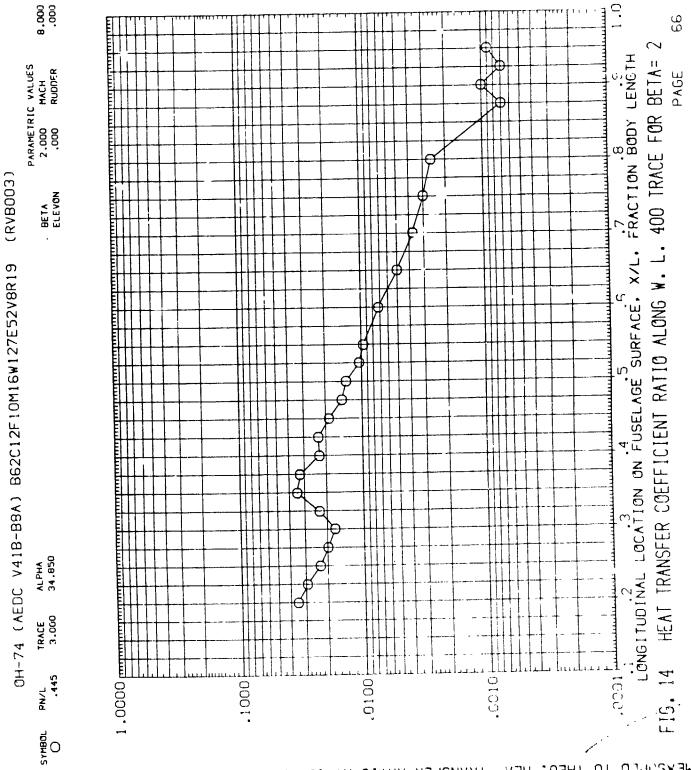


PARAMETRIC VALUES 2.000 MACH .000 RUDDER FIG. 14 HEAT TRANSFER COEFFICIENT RATIO ALONG W. L. 400 TRACE FOR BETA= PAGE (RVB003) BE TA ELEVON OH-74 (AEUS V41B-BSA) B62C12F10M16W127E52V8R19 ALPHA 29.830 1RACE 3.000 1.954 2.495 2.945 2.945 1.00000 .0010 .0100 .1000 .0001 © 0□◊◊△△ -3H/HRF MEASURED TO THEO. HEAT TRANSFER RATIO AT .9 RECOVERY FACTOR.

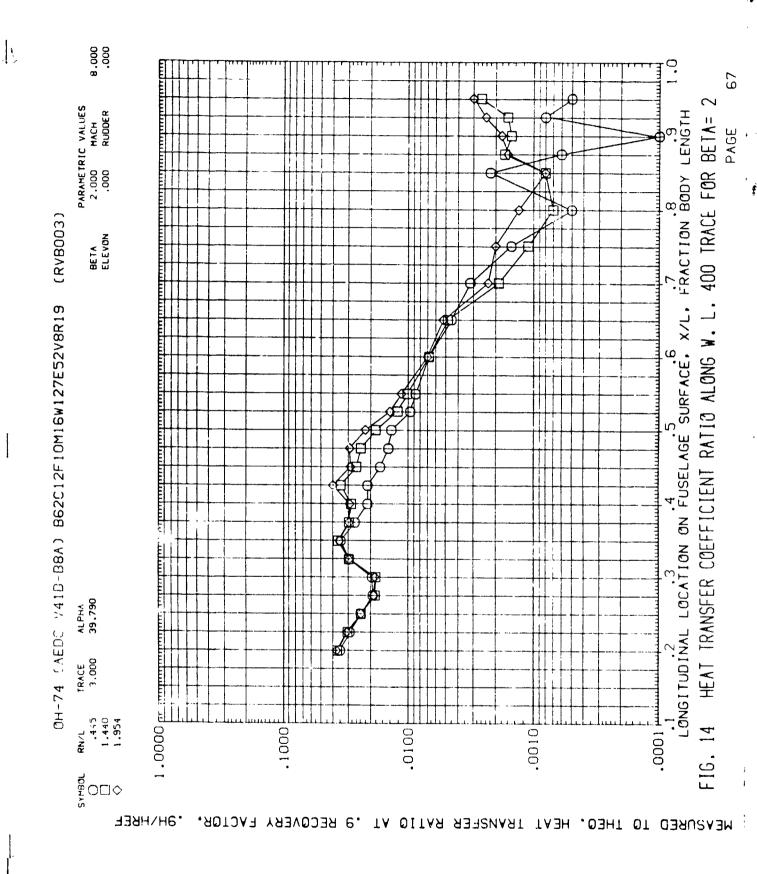
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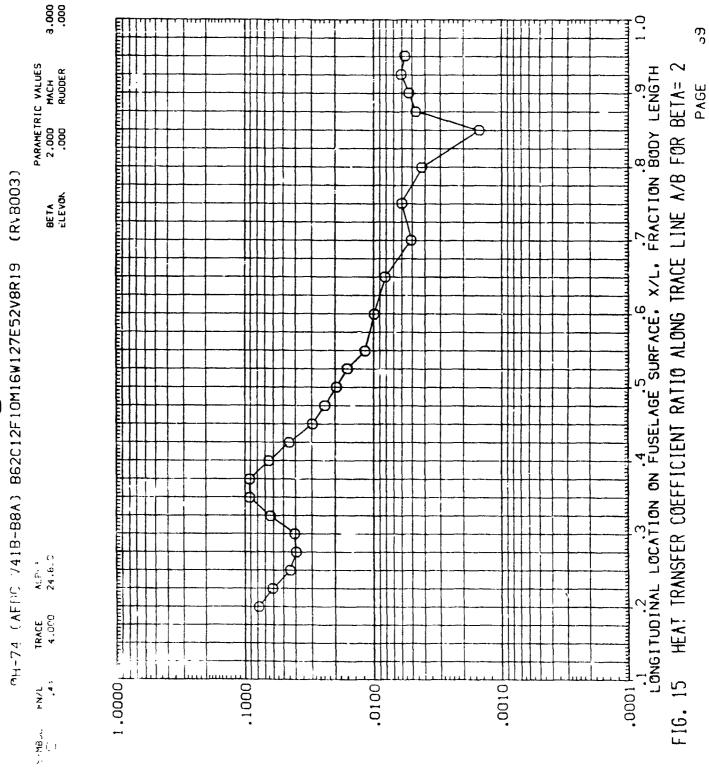
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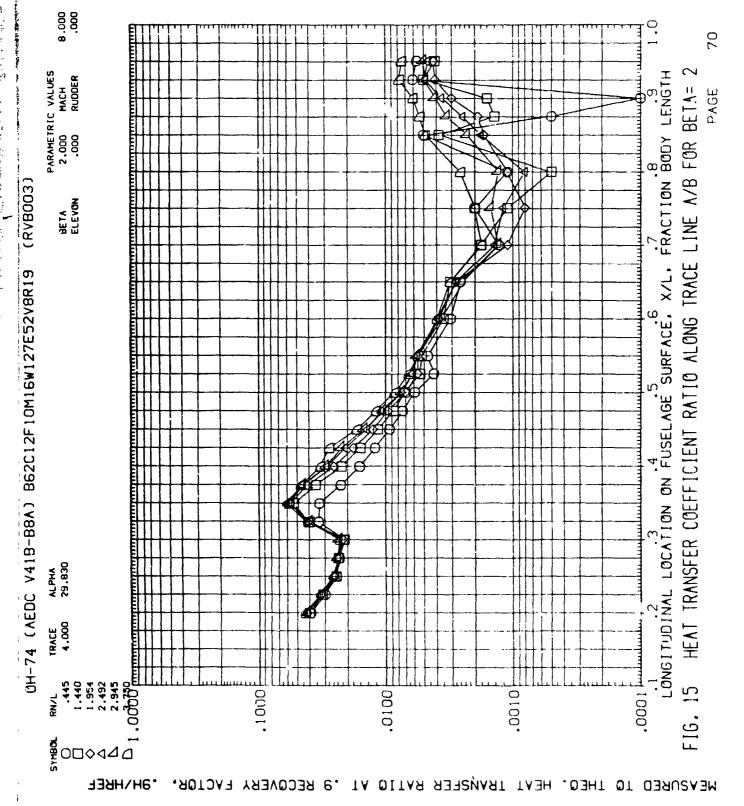
9.000. 89 PARAMETRIC VALUES 2.000 MACH .000 RUDDER HEAT TRANSFER COEFFICIENT RATIO ALONG TRACE LINE A/B FOR BETA= 2 LONGITUDINAL LOCATION ON FUSELAGE SURFACE, X/L, FRACTION BODY LENGTH PAGE (RVB003) BETA ELEVON OH-74 (AEDC V41B-B8A) B62C12F1OM16W127E52V8R19 ALPHA 15.840 1RACE 4.000 1.0000 سابا 2000. 2.445 2.492 2.945 3.750 FIG. 15 .0010 .0100 .1000 SYNG O□◊◊ .9H\HREF MEASURED TO THEO. HEAT TRANSFER RATIO AT .9 RECOVERY FACTOR.

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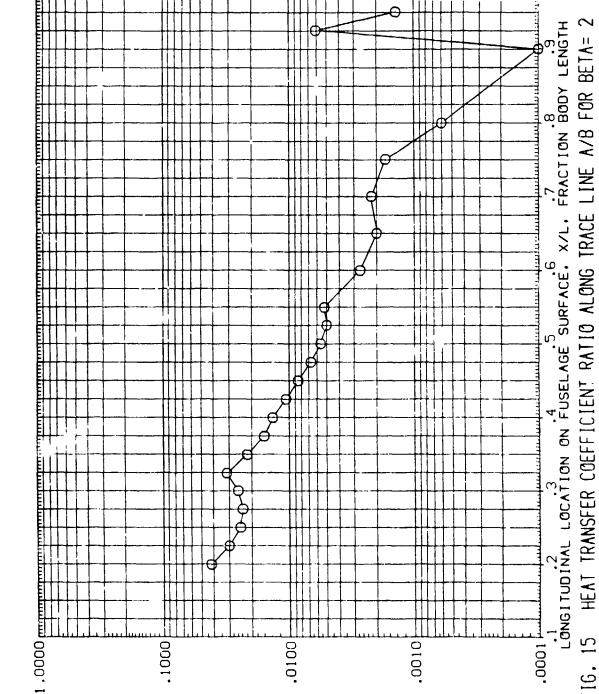


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OH-74 (AEDC v41B-B8A) B62C12F10M16W127E52V8R19 TRACE 4.0000010 FIG. 15 .1000 .0001 .0100 ã SYMBOL.



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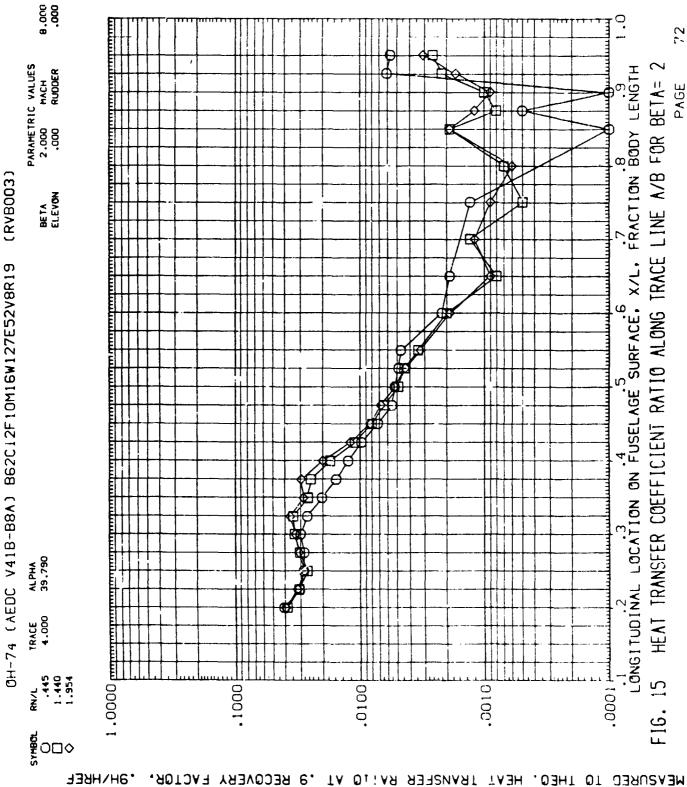
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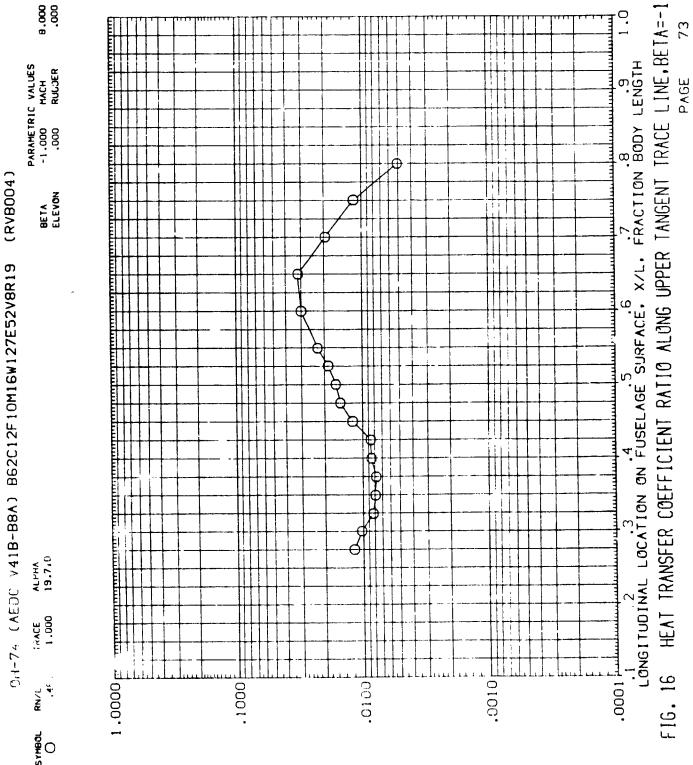
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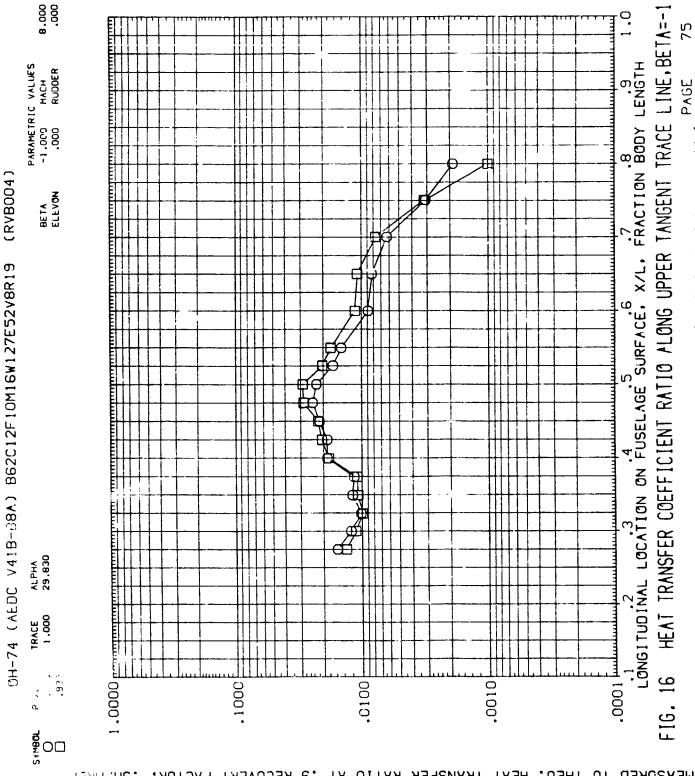
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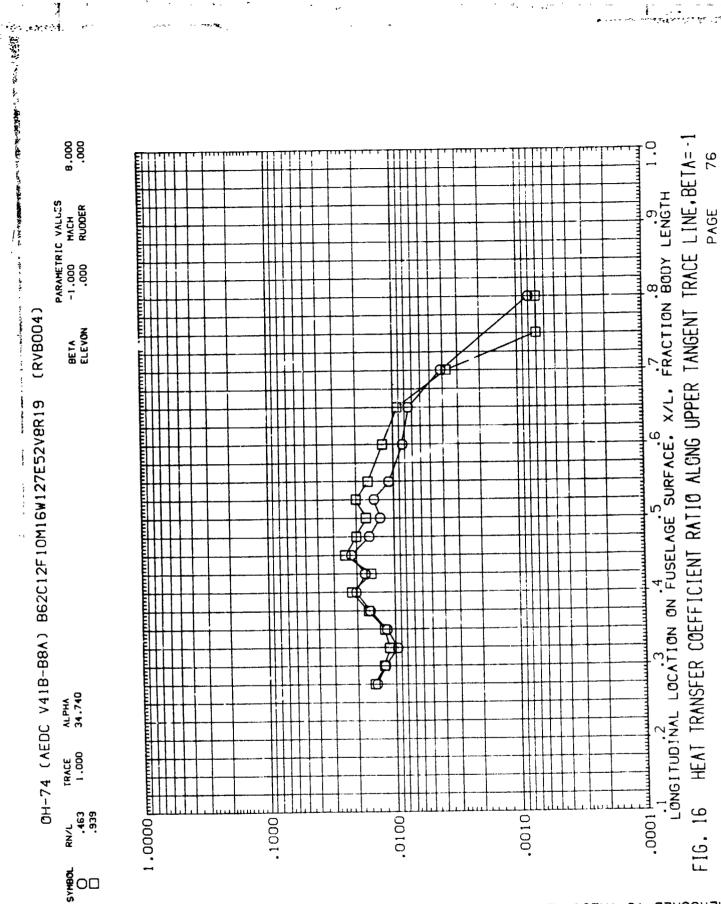
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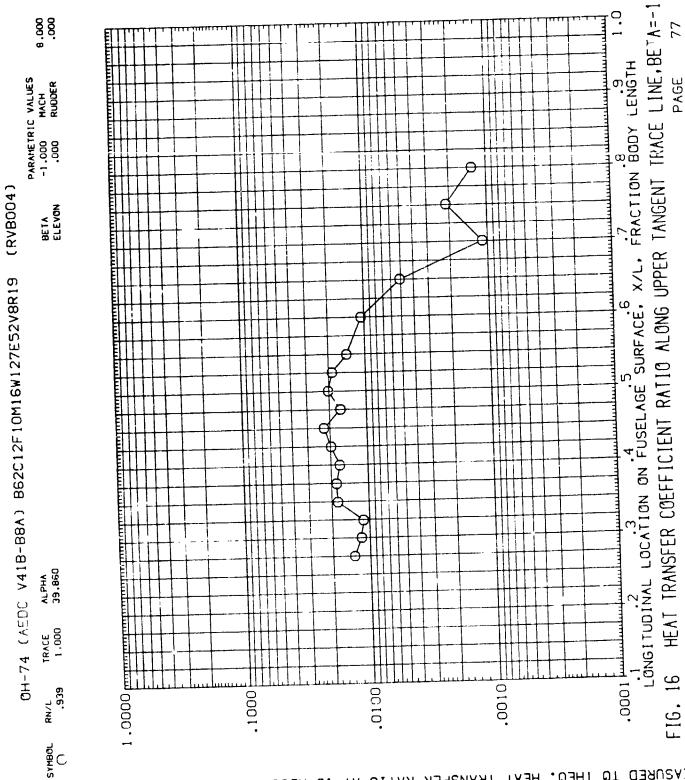


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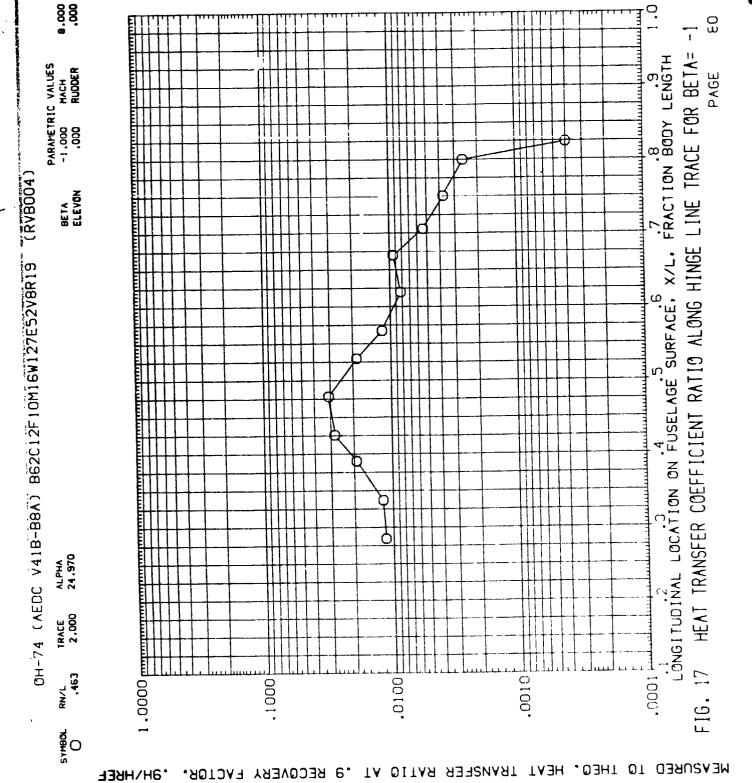
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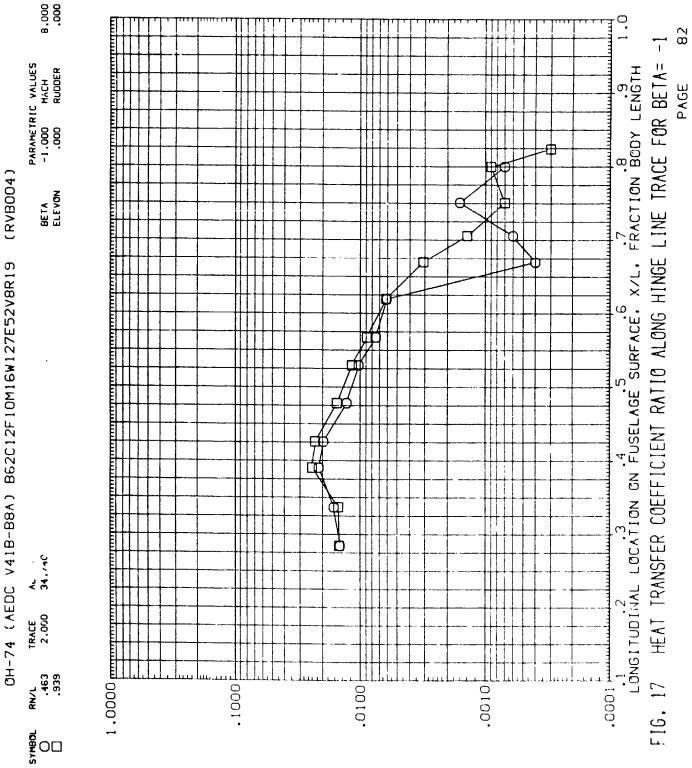


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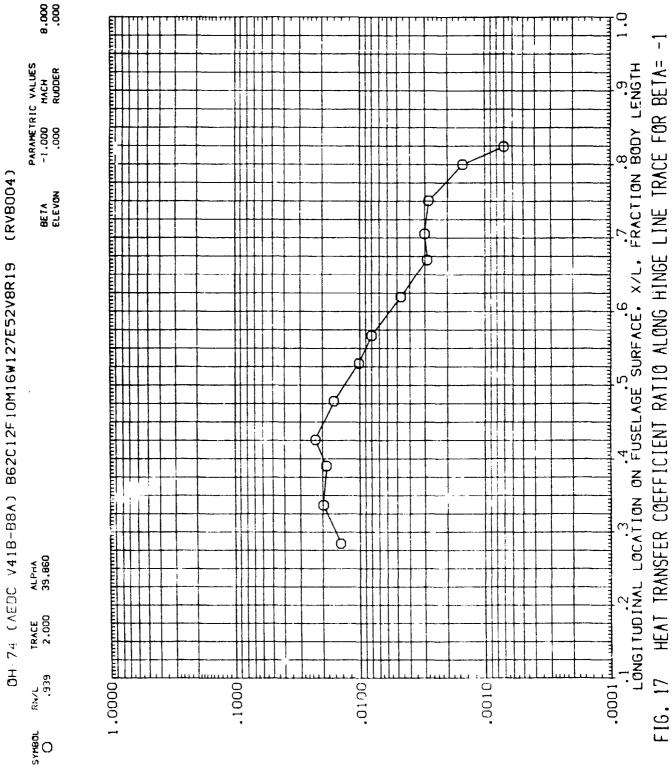
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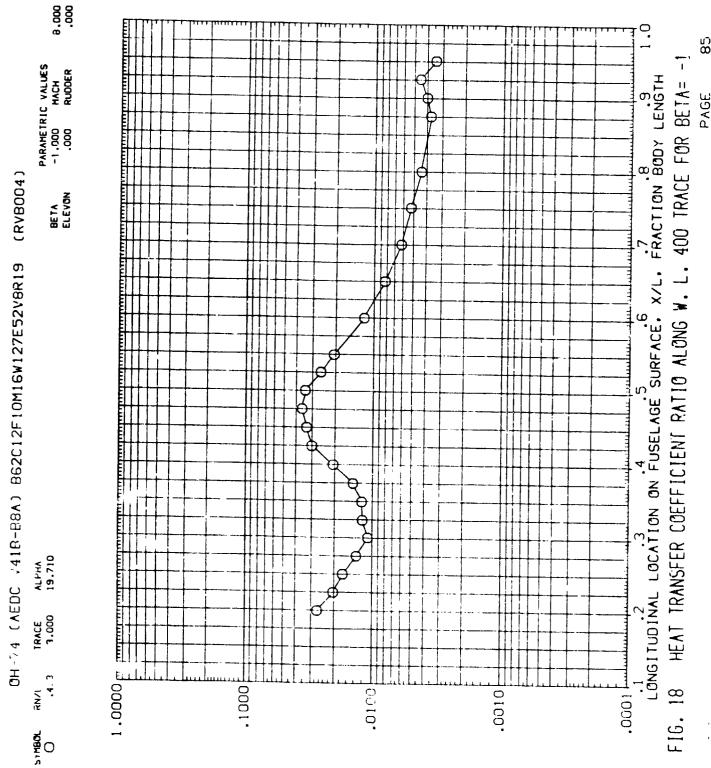
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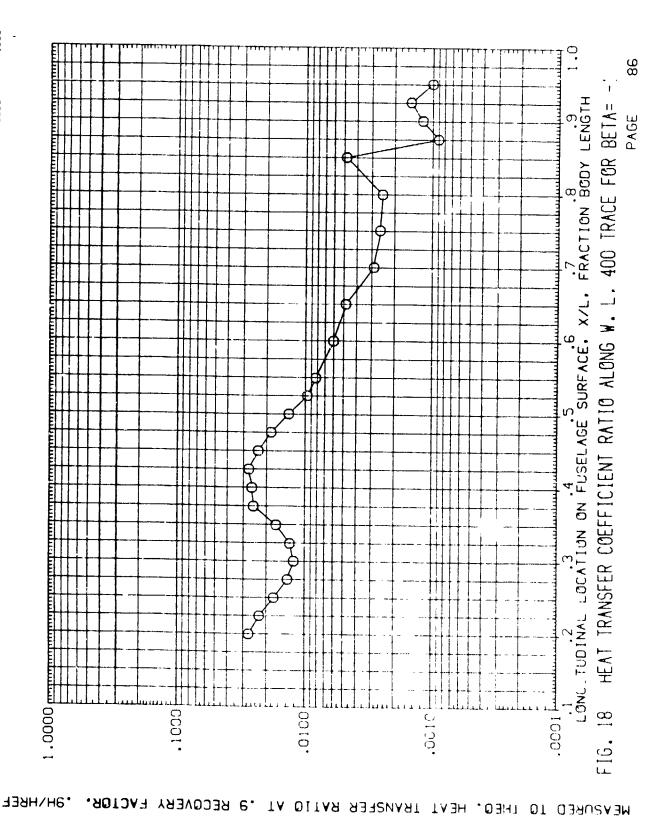
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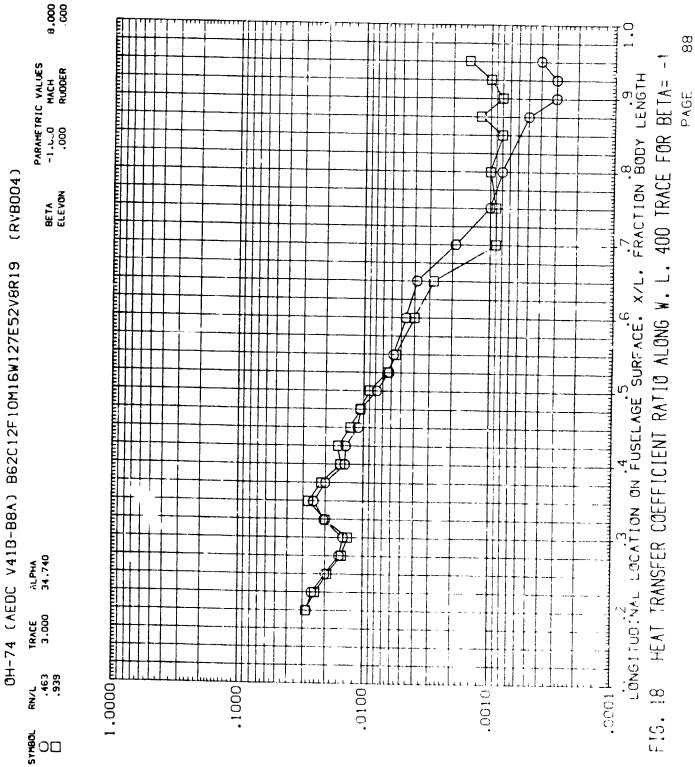


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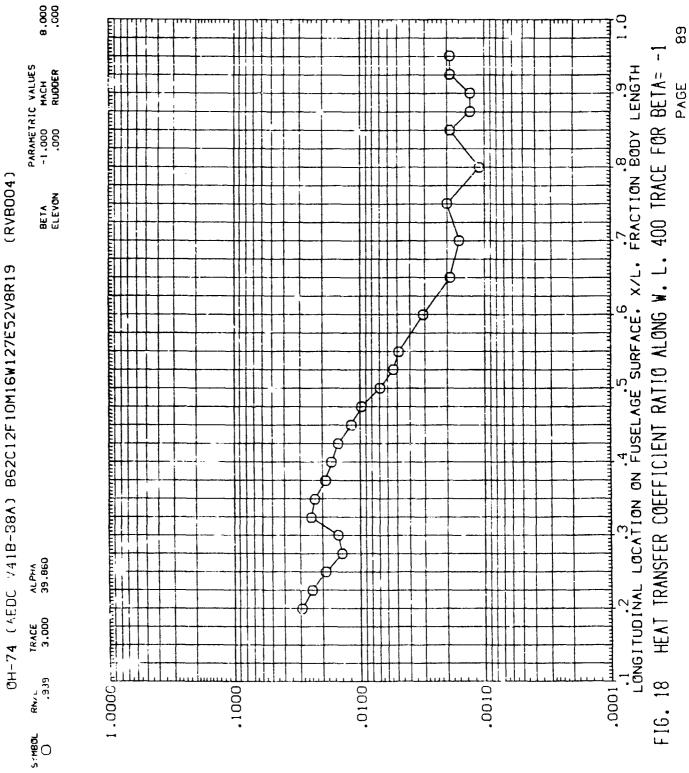
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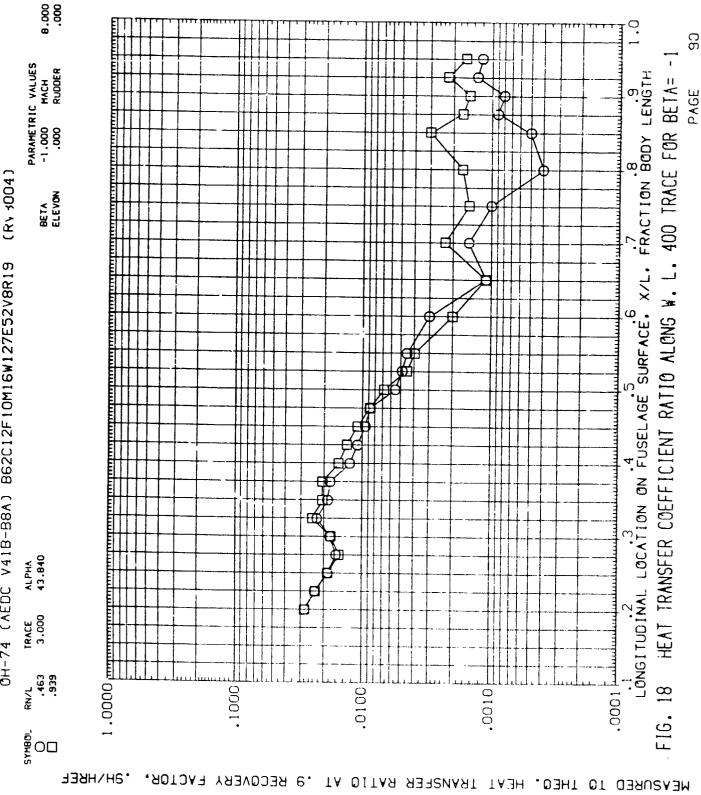
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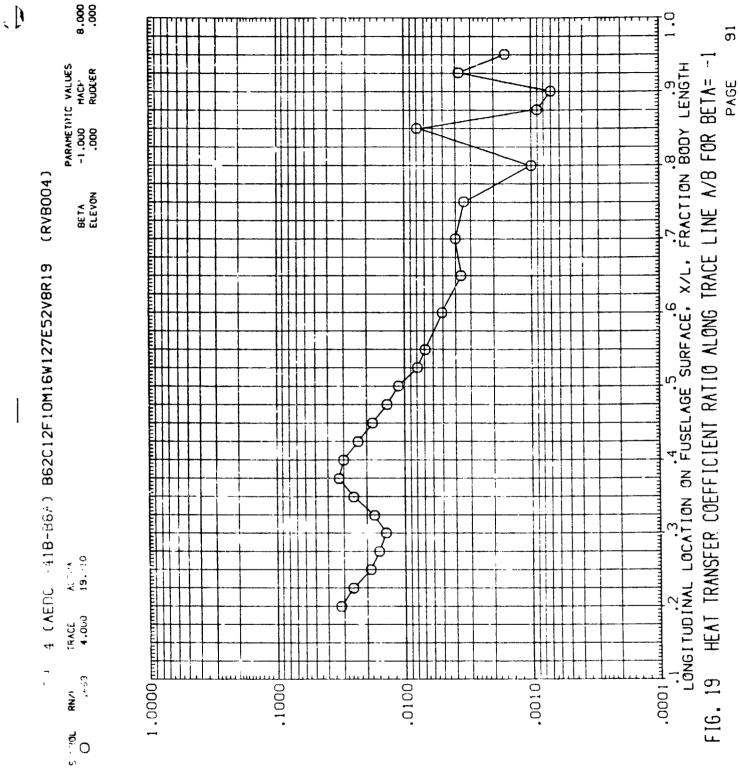
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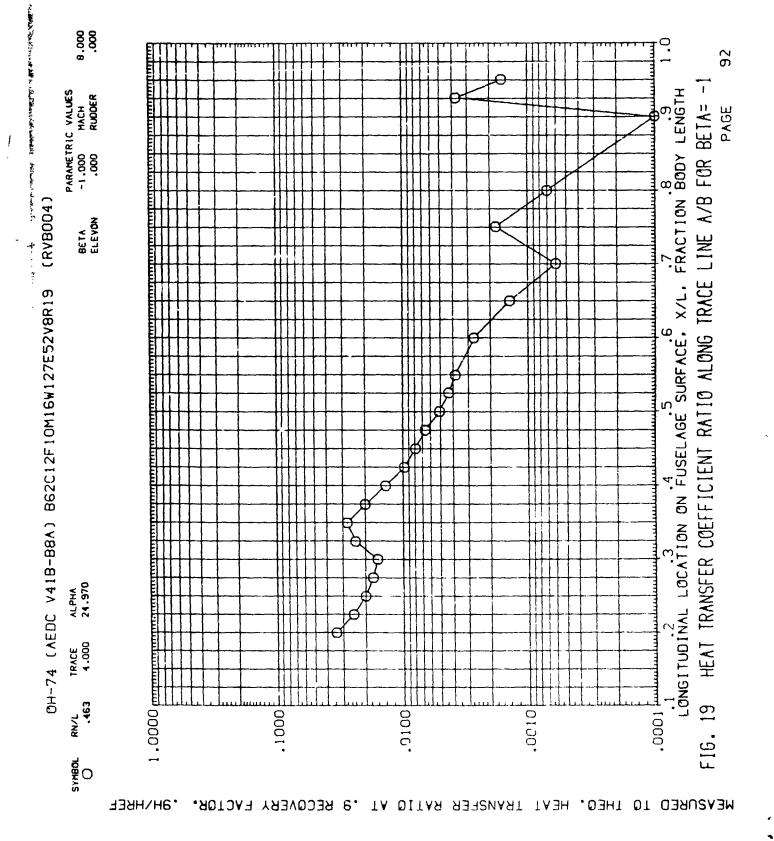


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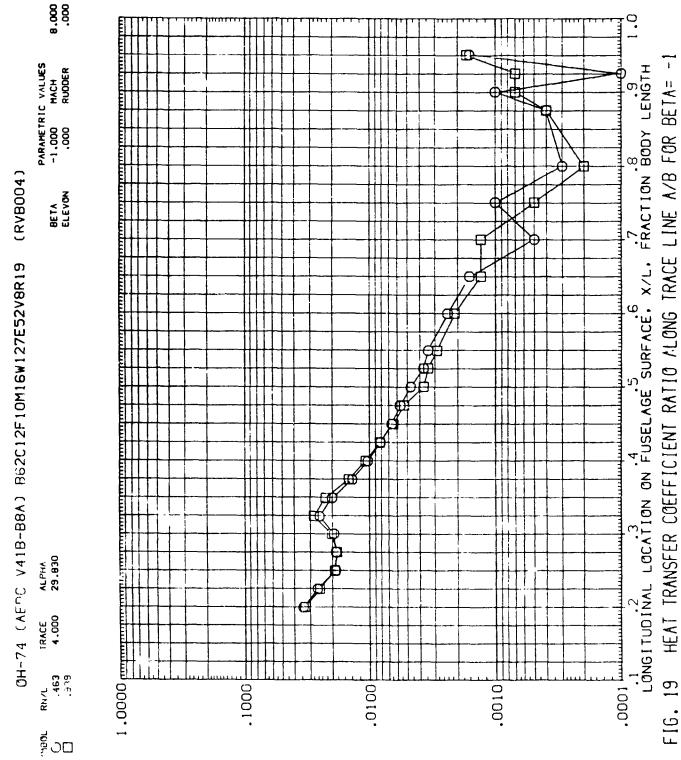


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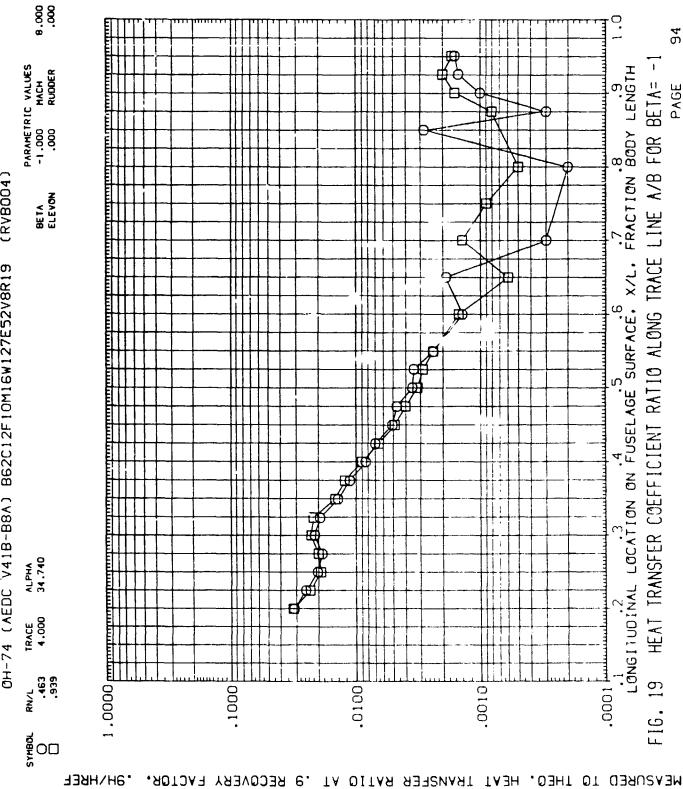
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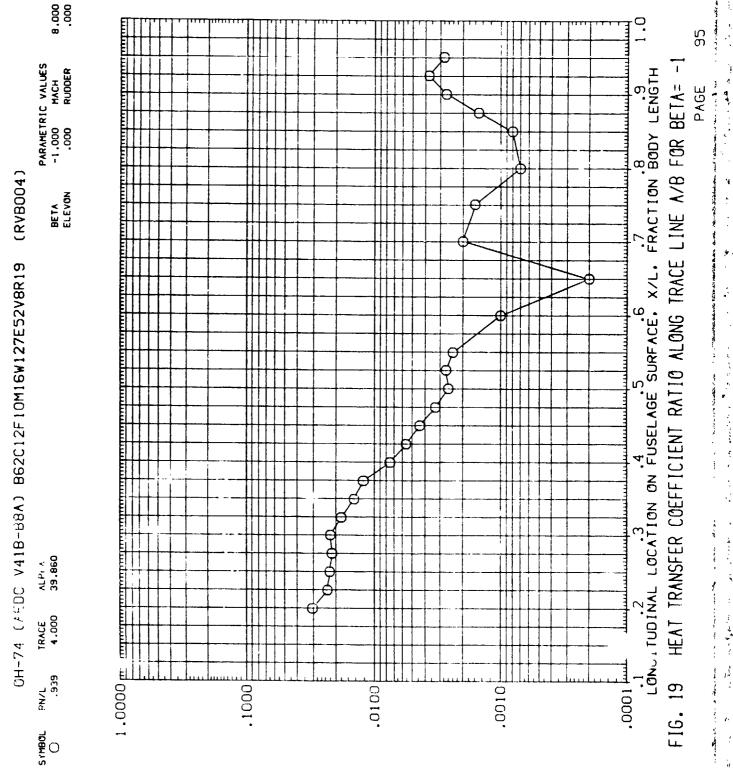
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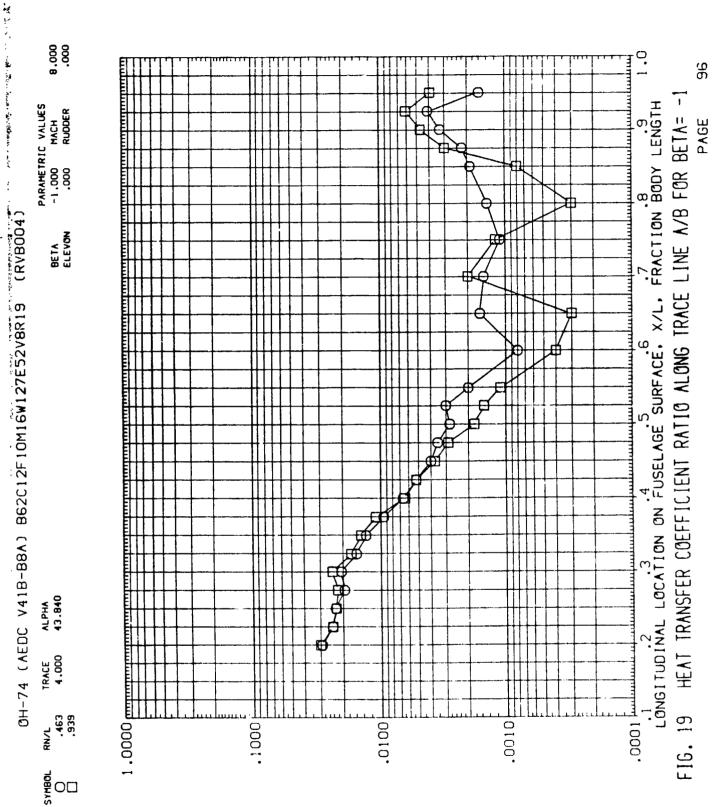
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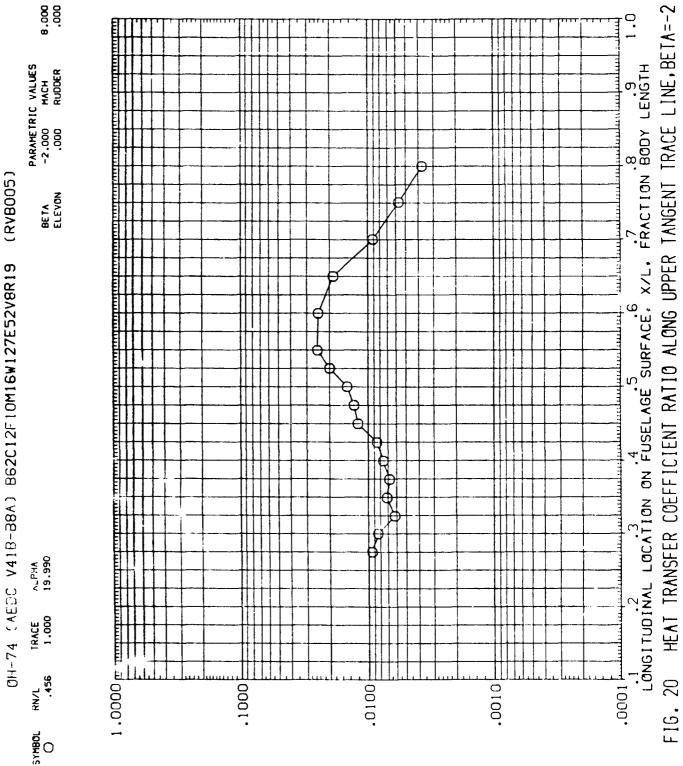
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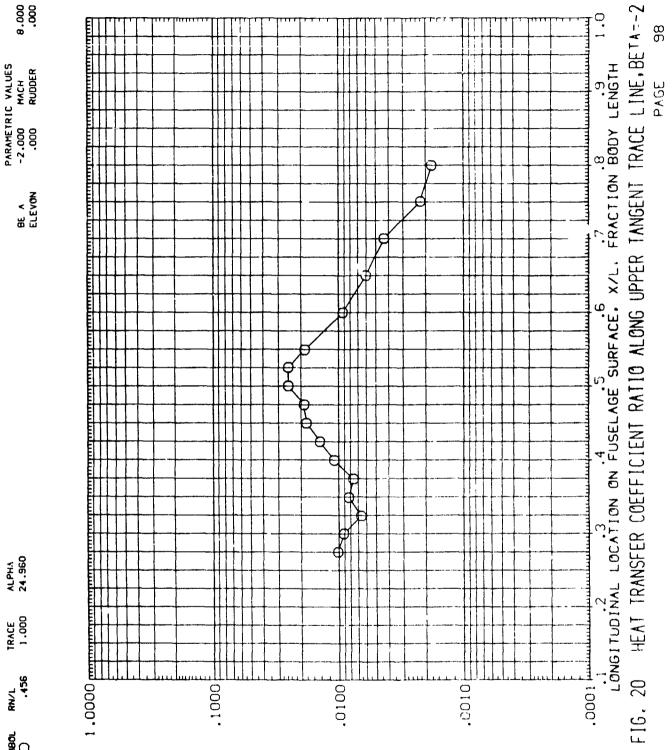
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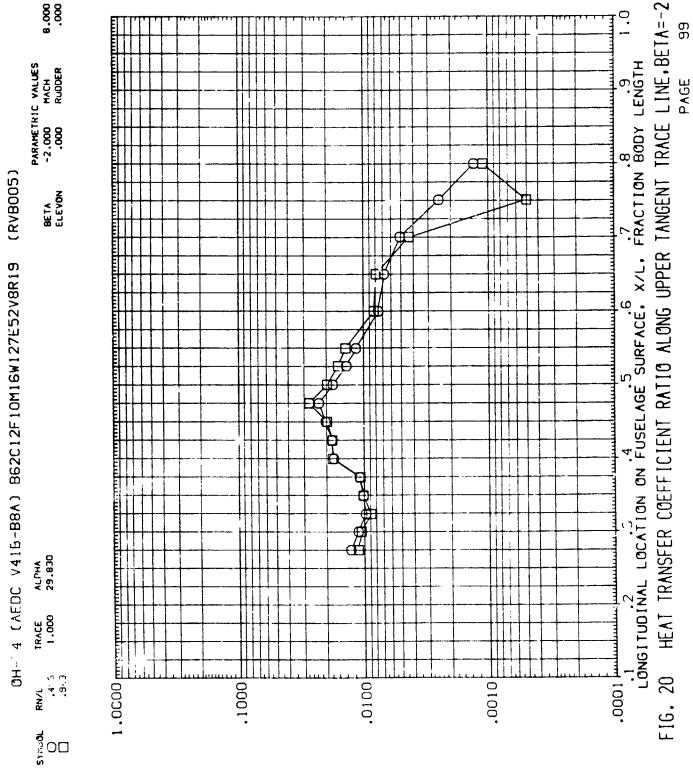
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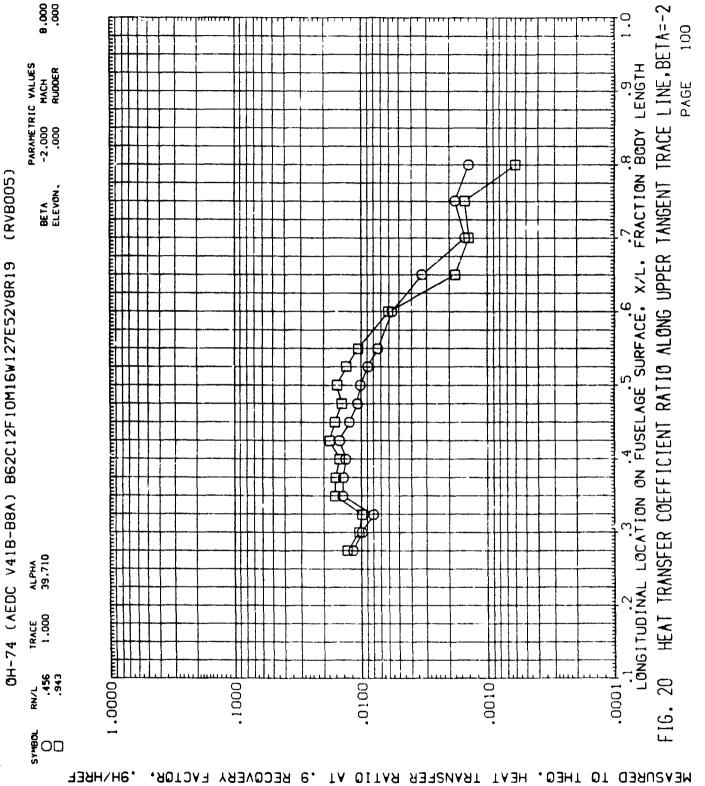
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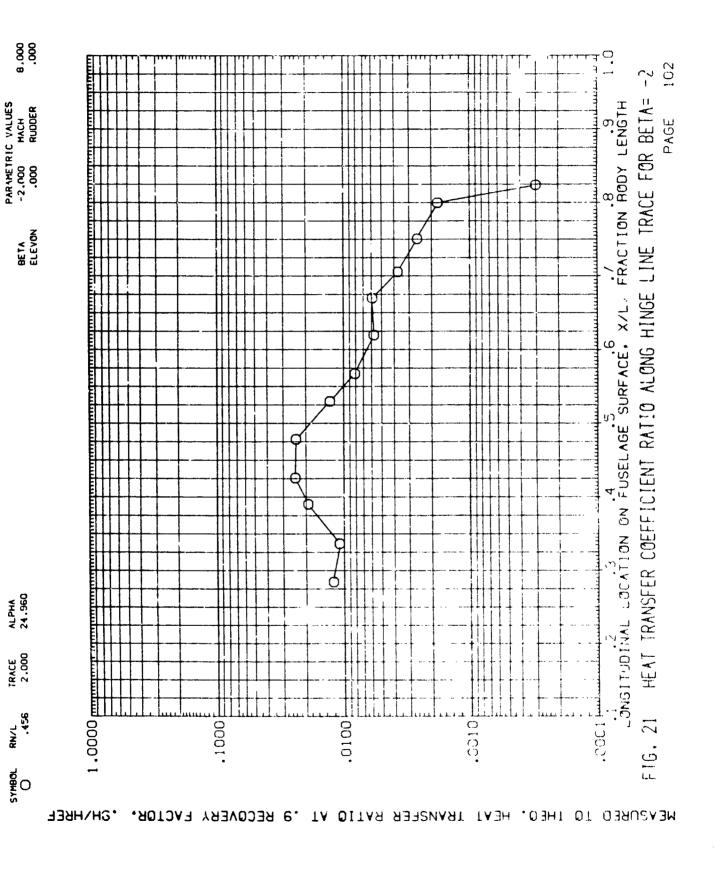
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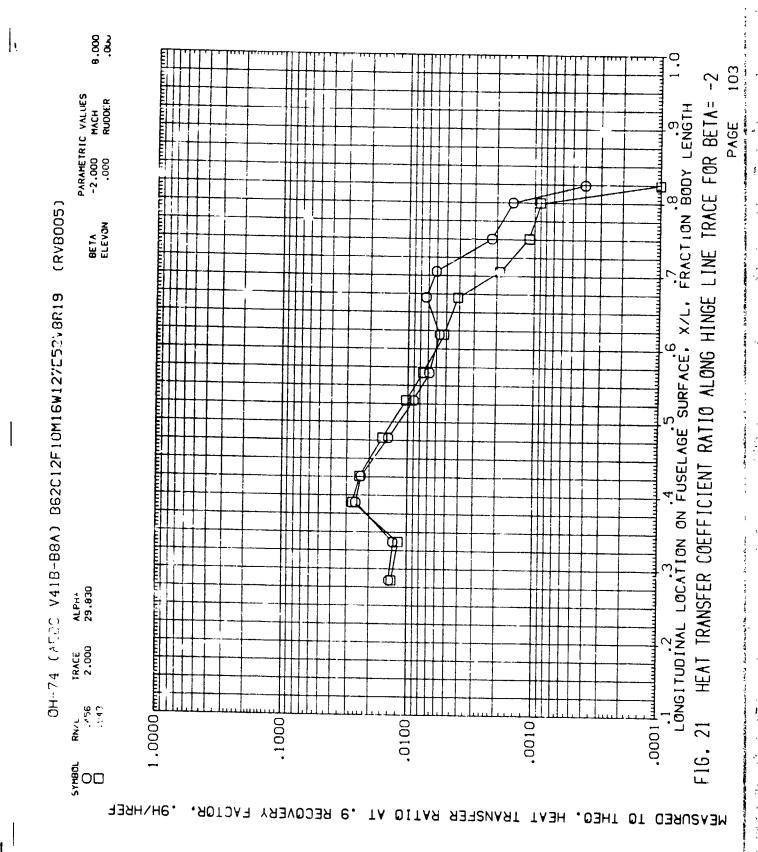
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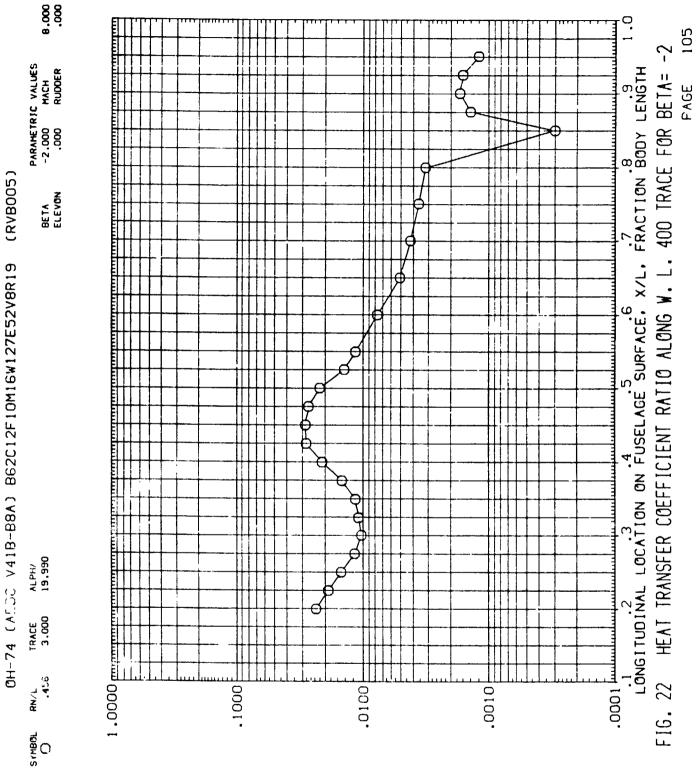
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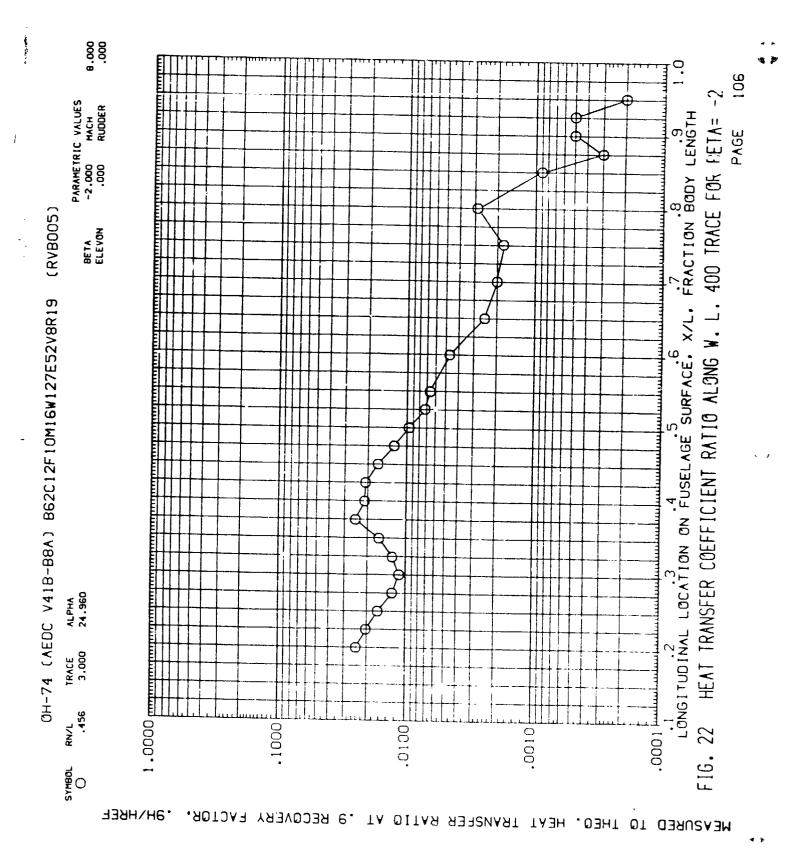
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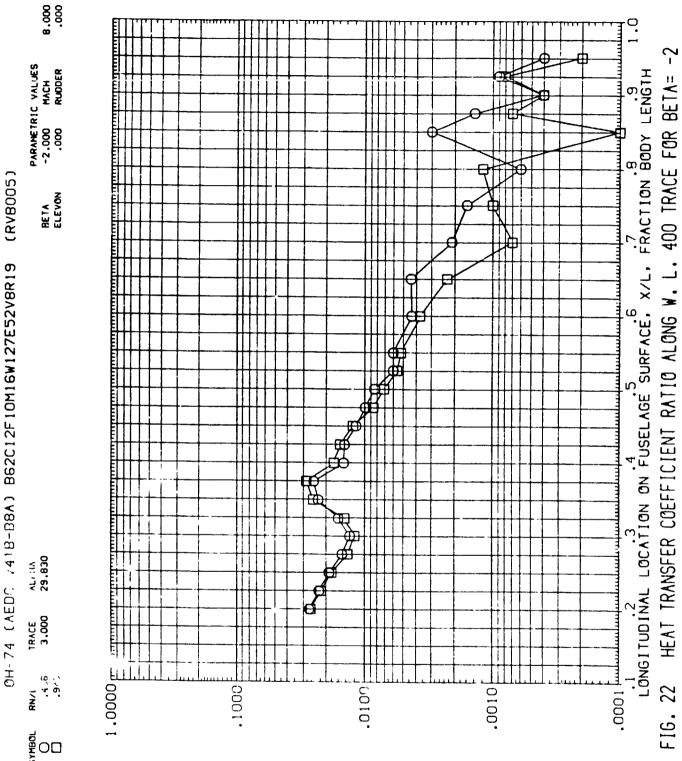


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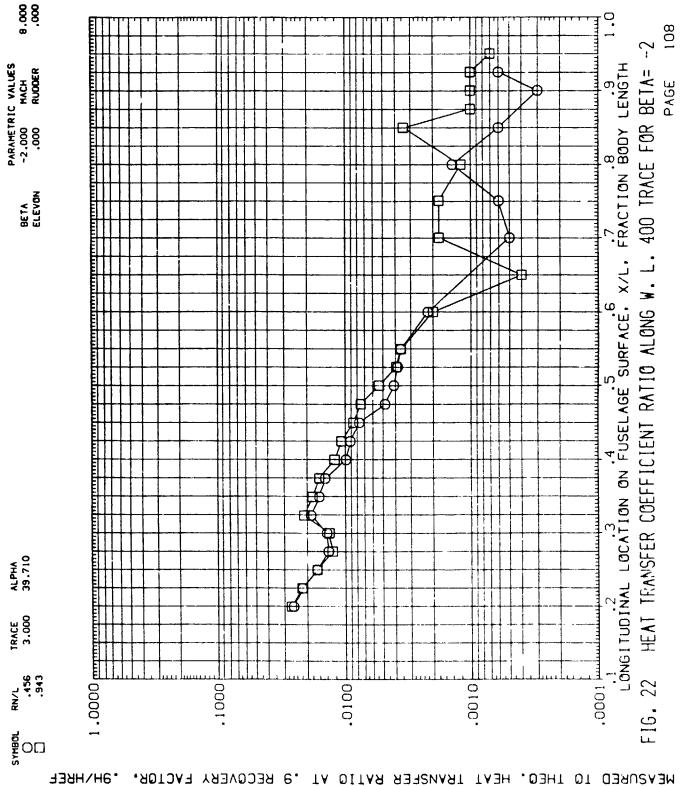
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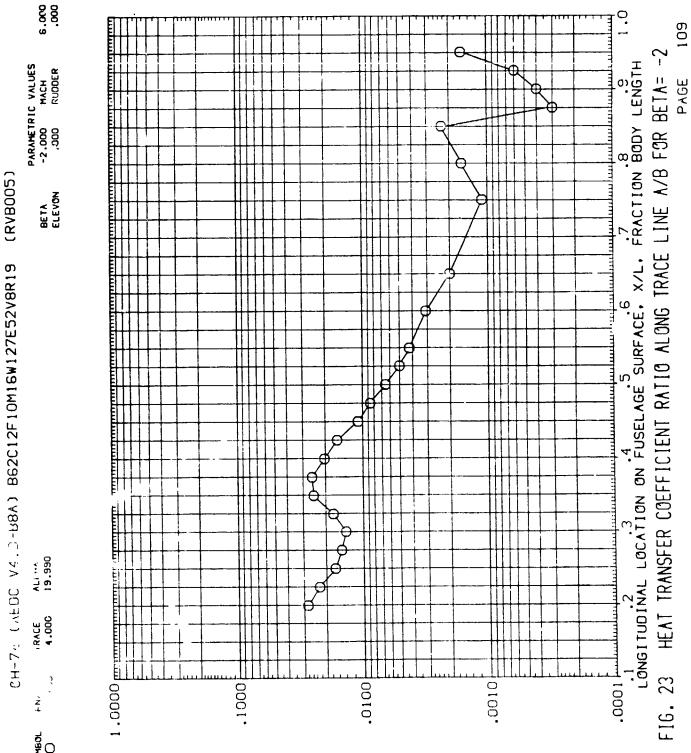
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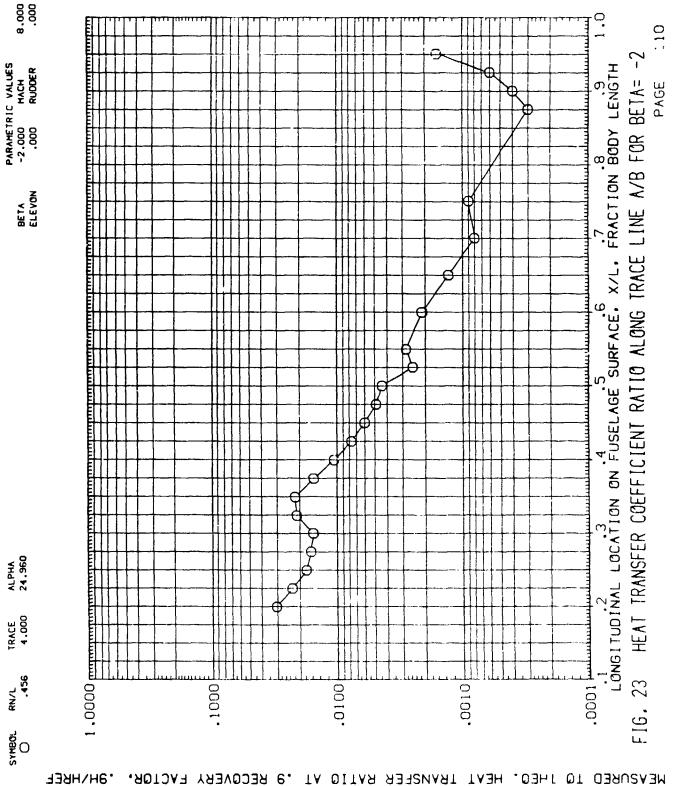
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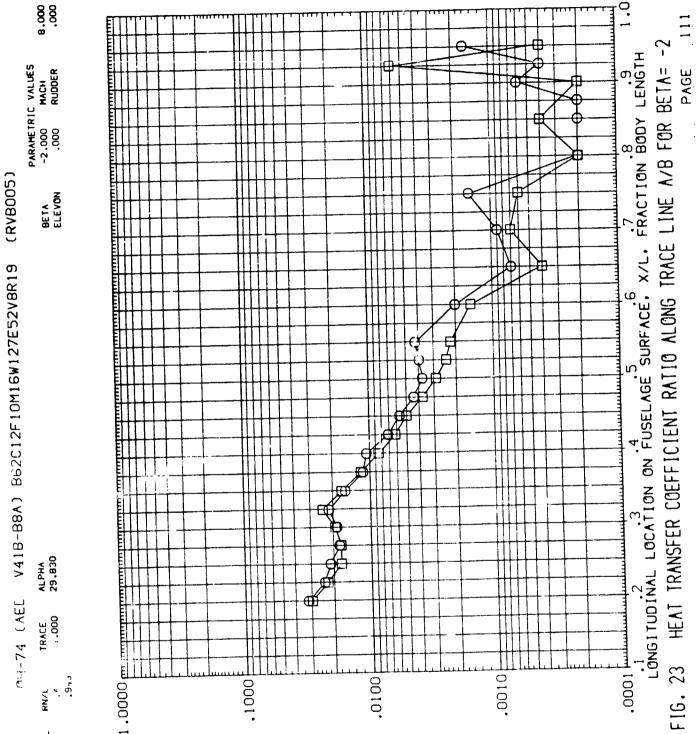
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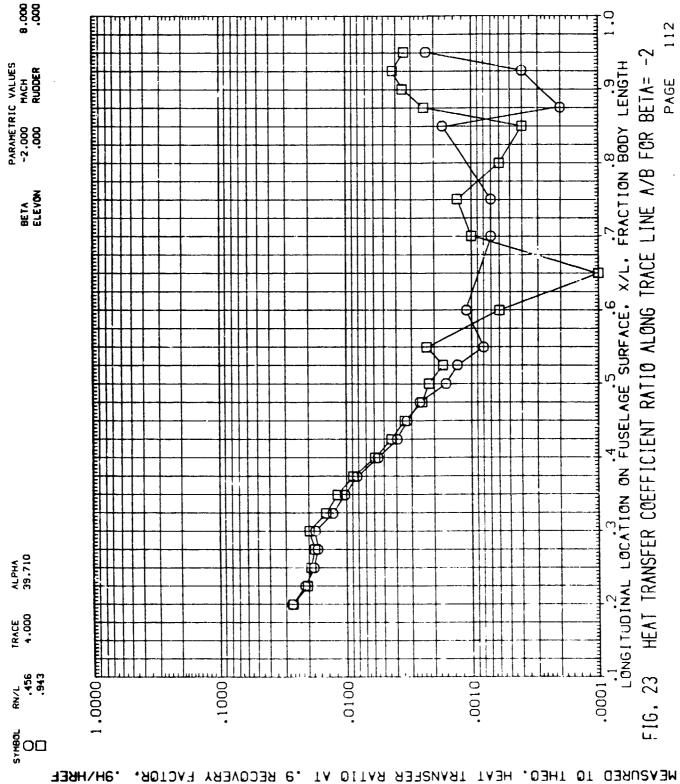
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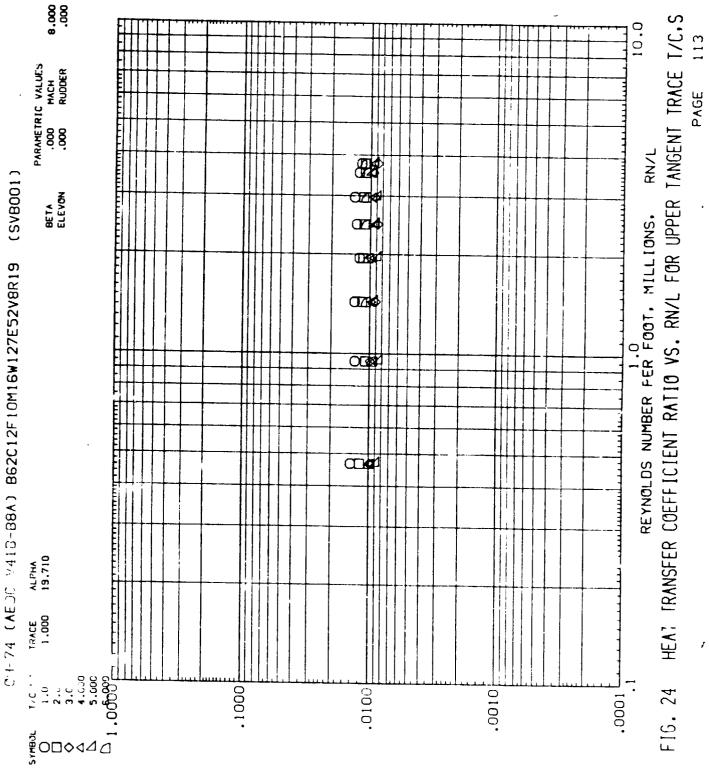
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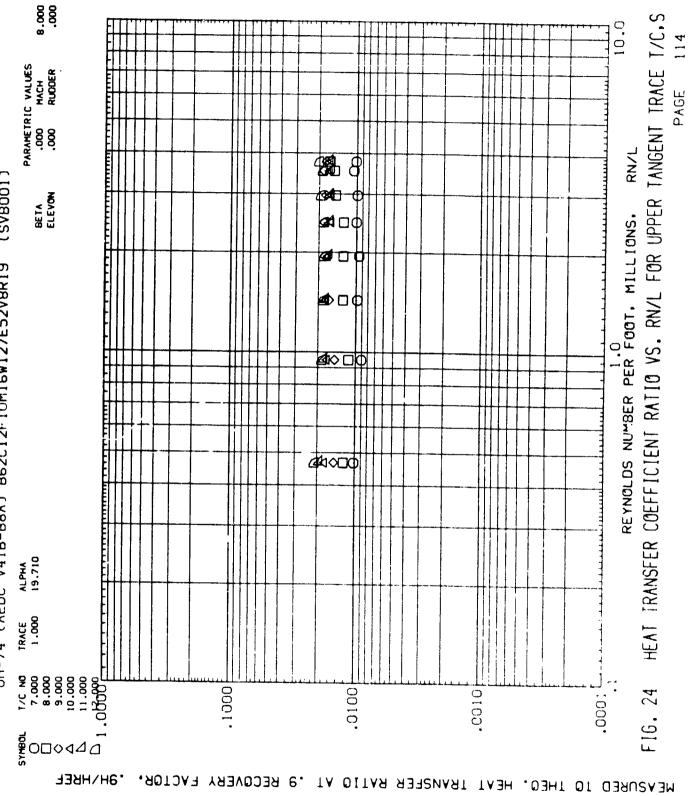
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8. 000. FIG. 24 HEAT TRANSFER COEFFICIENT RATIO VS. RN/L FOR UPPER TANGENT TRACE T/C,S 10.0 PARAMETRIC VALUES .000 MACH .000 RUDDER RN/L 8B 4 (SVB001) BETA ELEVON 1.0 REYNOLDS NUMBER PER FOOT, MILLIONS. 40 OH 74 (AEDC 7418-89A) 862C12F10M16W127E52V8R19 中 04 **40**0 Z

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FIG. 24 HEAT TRANSFER COEFFICIENT RATIO VS. RN/L FOR UPPER TANGENT TRACE T/C,S 10.0

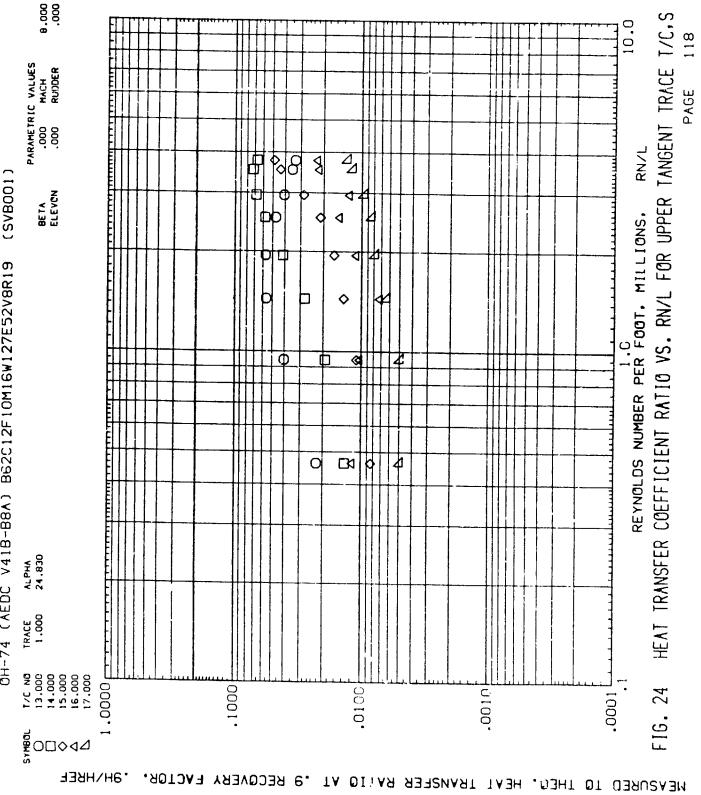
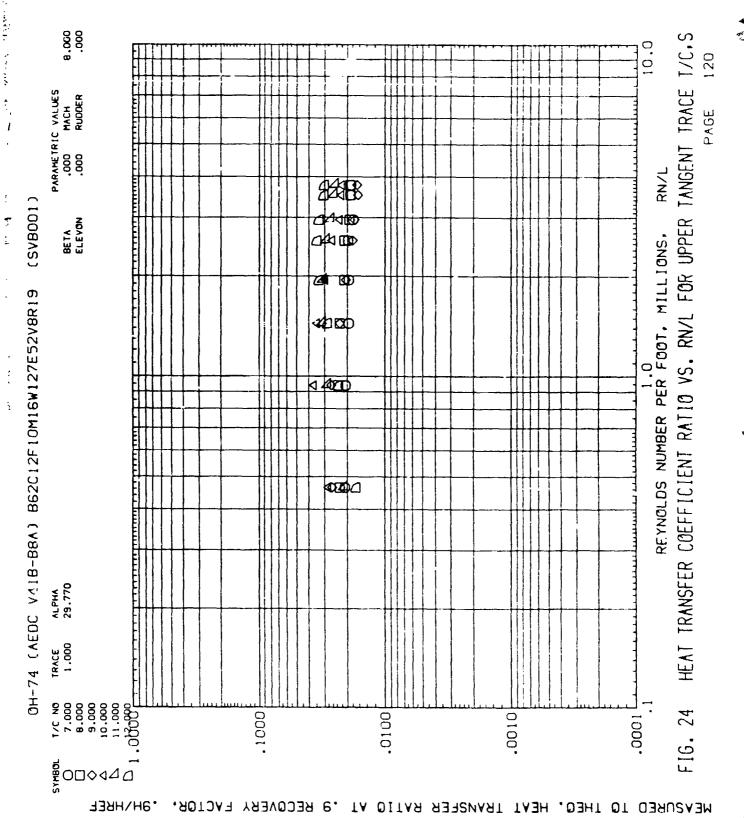


FIG. 24 HEAT IRANSFER COEFFICIENT RATIO VS. RN/L FOR UPPER TANGENT TRACE I/C,S 8.000 .000 10.0 PARAMETRIC VALUES .000 MACH .000 RUDDER PAGE RN/L 2 23 (SVB001) 0 024 4 024 BETA ELEVON 1.0 REYNOLDS NUMBER PER FOOT, MILLIONS. ফ্রে OH-74 (AFPC V418-B8A) B62C12F10M16W127E52V8R19 023 ⊿ casto ALP!!A 29.770 1RACE 1.000 1.0000 1.000 2.000 3.000 4.000 5.000 1.00000 1.00000 .0010 10001. .0001 .0100 MEASURED TO THEO. HEAT TRANSFER RATIO AT .9 RECOVERY FACTOR. JAHNH6.

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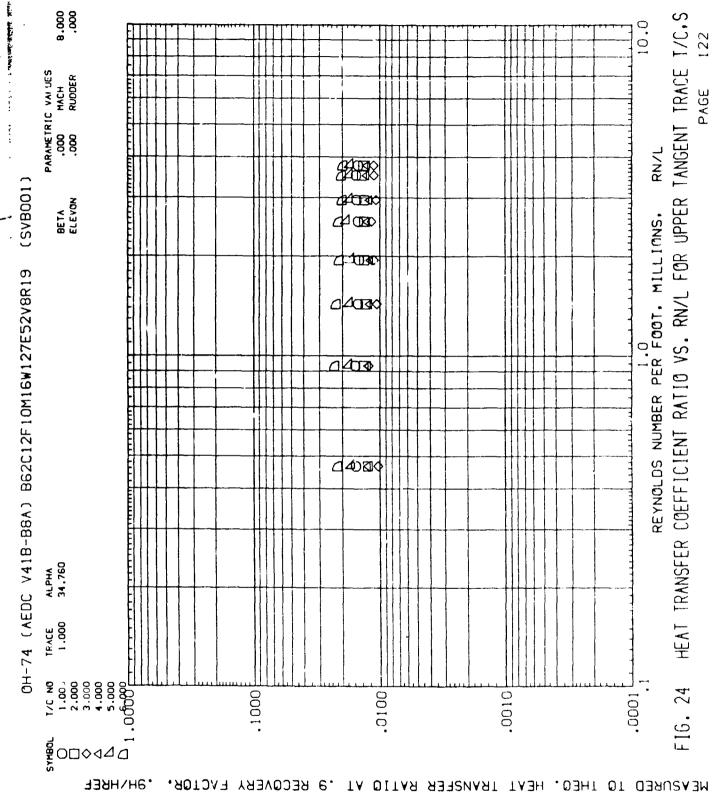
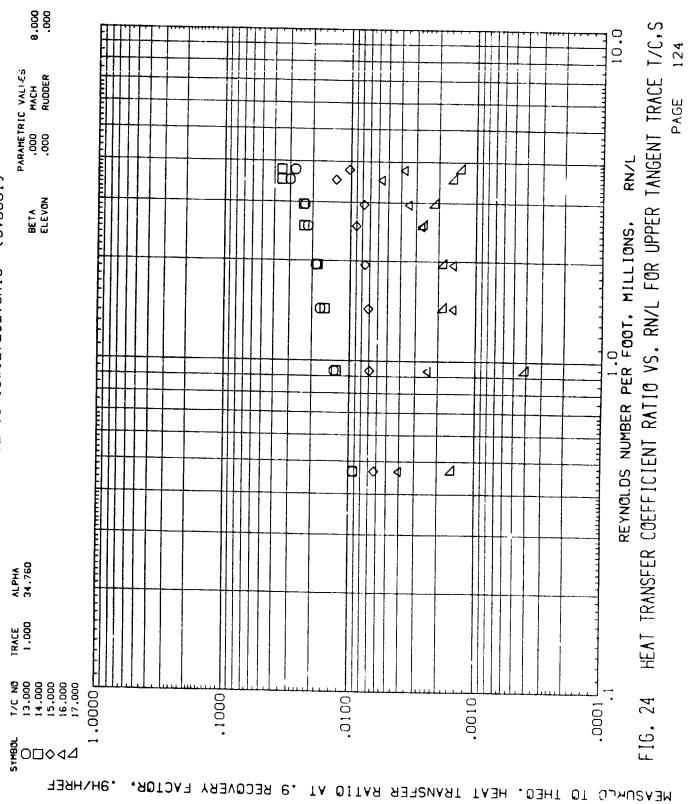


FIG. 24 HEAT TRANSFER COEFFICIENT RATIO VS. RN/L FOR UPPER TANGENT TRACE I/C.S 10.0 PARAMETRIC VALUES .000 MACH .000 RUDDER RN/L 2/88/8 (SVB001) 400000 BETA ELEVON REYNOLDS NUMBER FER FOOT, MILLIONS. PH-74 (AEDC V418-B8A) B62C12F10M16W127E52V8R19 (221/40) ALPHA 34.760 1.000 8.200 9.200 10.200 11.200 1.0000 .1000 .0100 .0010 .0001

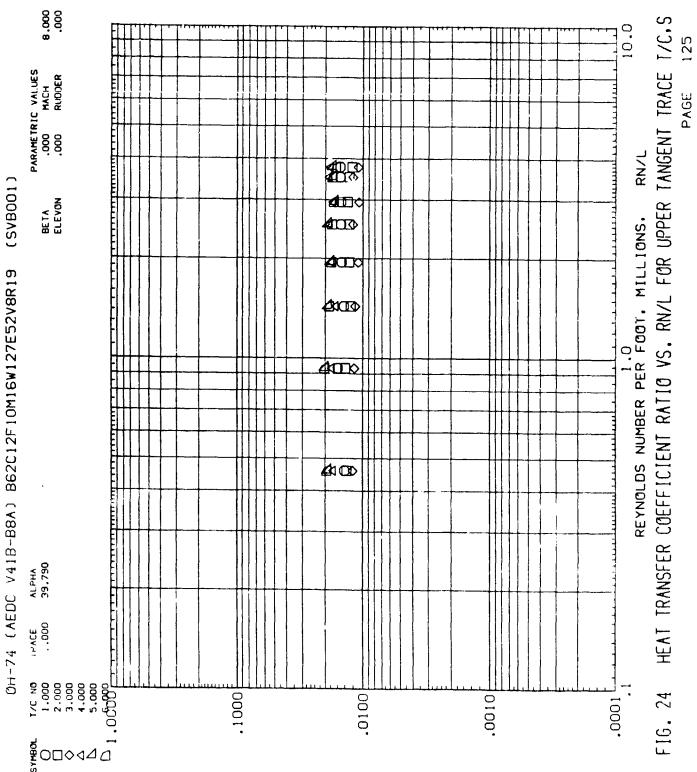
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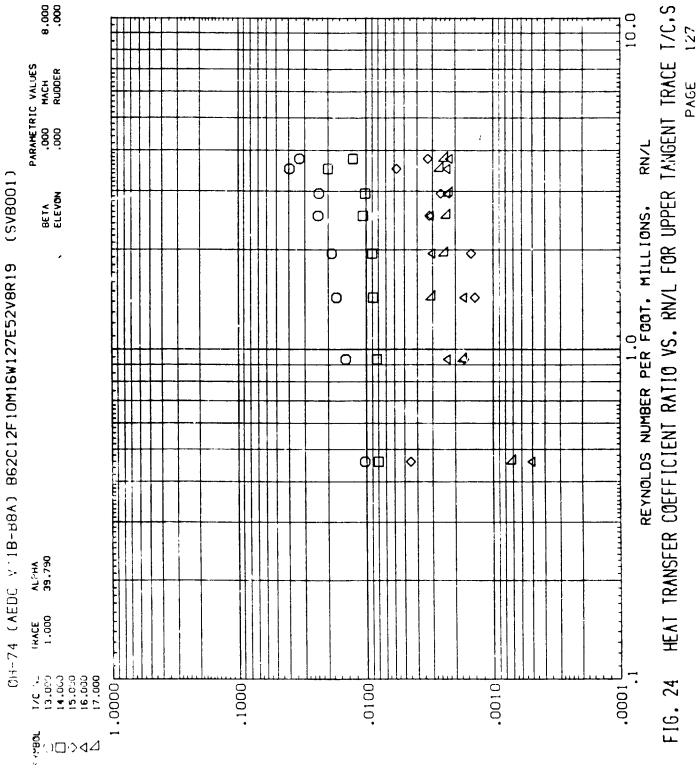
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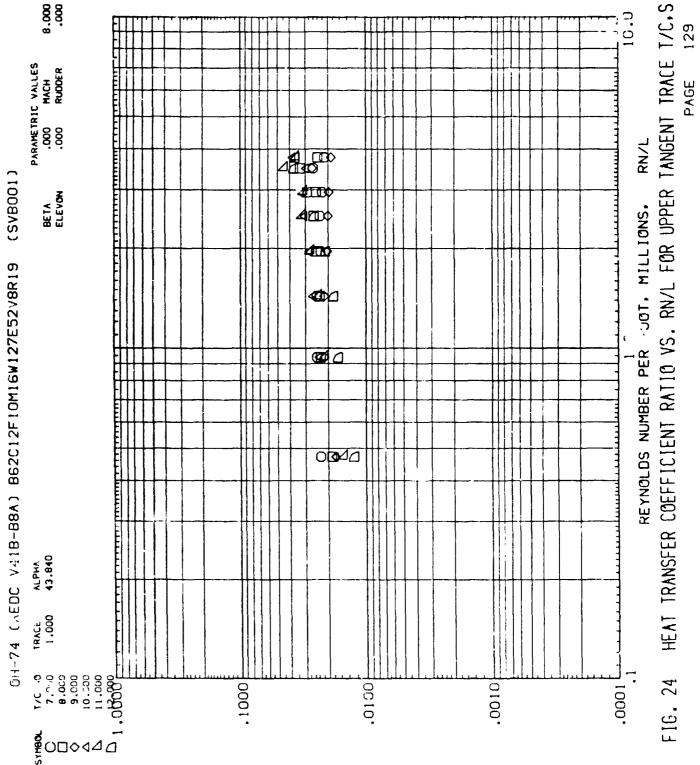
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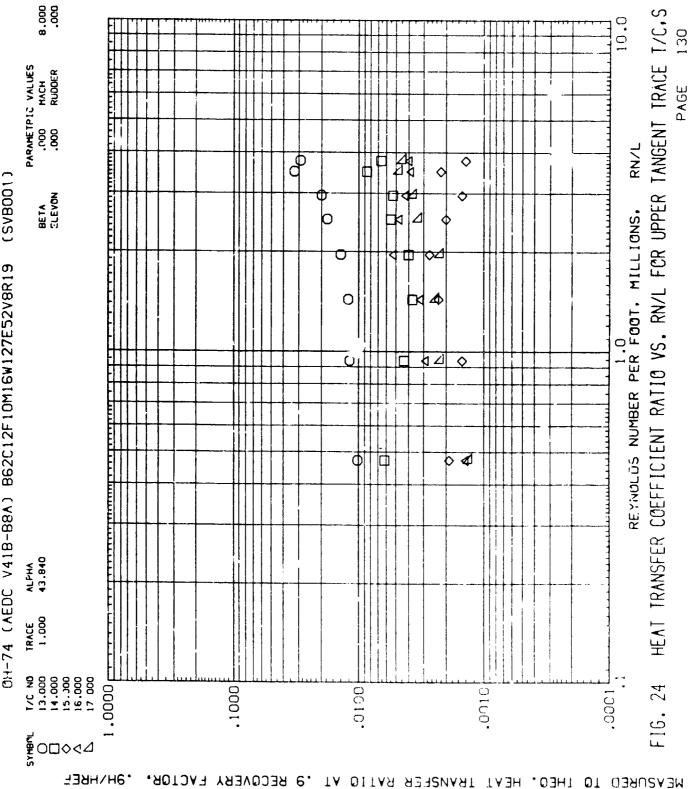
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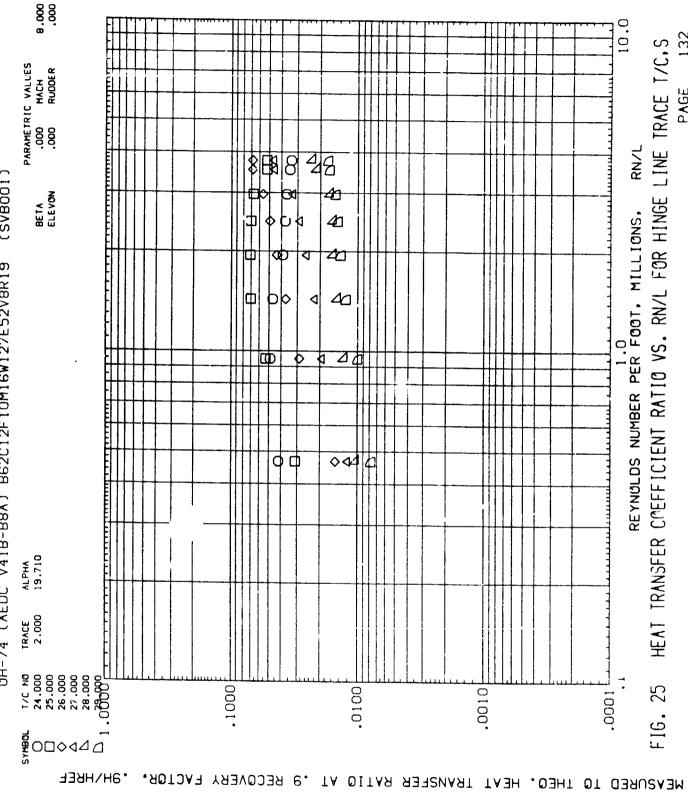


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10.0 FIG. 25 HEAT TRANSFER COEFFICIENT RATIO VS. RN/L FOR HINGE LINE TRACE 1/C.S PARAHETRIC VALUES .000 MACH .000 RUDDER 8 (SVB001) BETA ELEVON 1.0 REYNOLDS NUMBER PER FOOT, MILLIONS, **⊙** OH-74 (AFT V4.18-88A) 862C12F10M16W127E52V8R19 000 0 0 0 0 Ø **Φ** ALPHA 19.710 1RACE 2.000 1000 .0100 .0010 .0001 £ 0□◊<√0 -MEASURED TO THEO. HEAT TRANSFER RATIO AT .9 RECOVERY FACTOR. * OH \ HBEL

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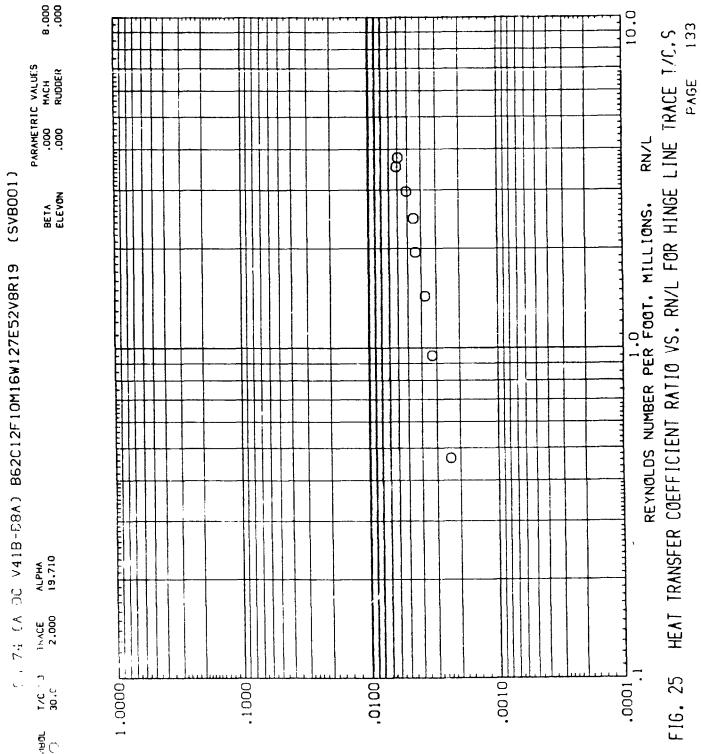
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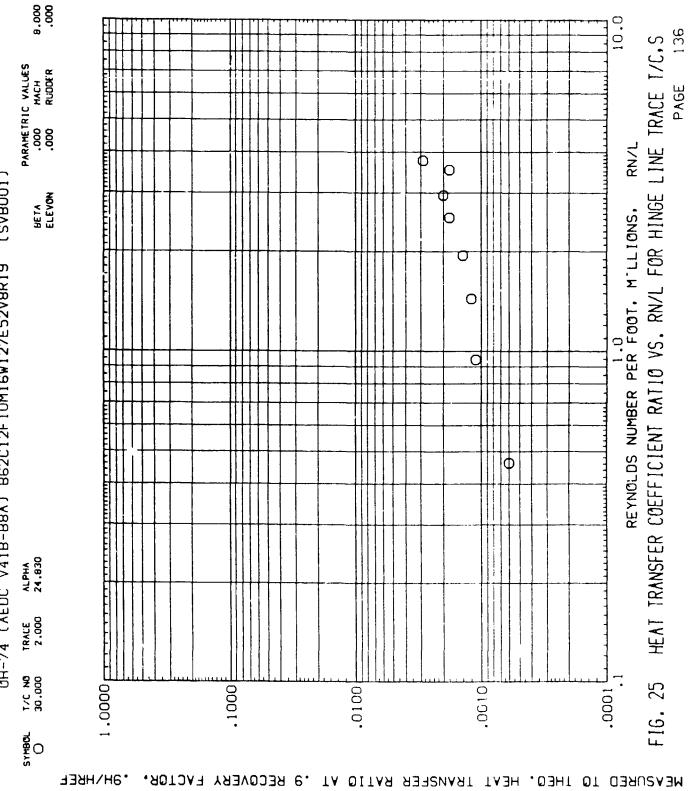
8.000. 000. 10.0 HEAT TRANSFER COEFFICIENT RATIO VS. RN/L FOR HINGE LINE TRACE T/C.S PARAMETRIC VALUES .000 MACH .000 RUDDER RN/L 88 B 8 (SVB001) BETA ELEVON 1.0 REYNOLDS NUMBER PER FOOT, MILLIONS. 04 φ 0H-74 (AEDC 741B-B8A) B62C12F10M16W127E52V8R19 **□** 4 | d Ф 400 0 1PACE 2.000 FIG. 25 24.600 25.000 25.000 26.000 27.000 28.000 1000 ,0001 .00010 .0100 SYRBC ODOMAD

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8.000 .000. 10.0 FIG. 25 HEAT TRANSFER COEFFICIENT RATIO VS. RN/L FOR HINGE LINE TRACE T/C, S PARAMETRIC VALUES .000 MACH .000 RUDDER 8 8 (SVB001) 1.0 REYNOLDS NUMBER PER FOOT, MILLIONS, 00 BETA ELEVON ϖ $\overline{\mathbf{w}}$ 0H-74 (AEDC V41B-B8A) B62C12F10M16W127E52V8R19 boo 0 $\infty 4$ 四日 ALFHA 29.770 1RACE 2.000 SYHBOL 17.C NG

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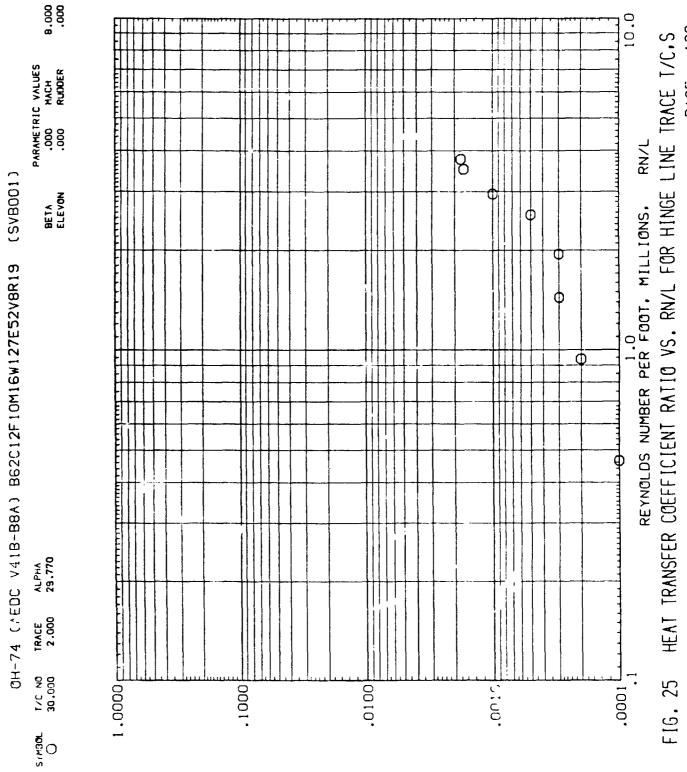
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8.000 .000 10.0 138 HEAT TRANSFER COEFFICIENT RATIO VS. RN/L FOR HINGE LINE TRACE T/C,S PARAMETRIC VALUES .000 MACH .000 RUDDER RN/L **₽**₽ 力 000 8 日 (SVB001) BETA ELEVON 0 φ 1.0 REYNOLDS NUMBER PER FOOT, MILLIONS, 4 D OH-74 (AEDC V41B-B8A) B62C12F10M16W127E52V8R19 $o \oplus b$ Ø 4 ALPHA 29.770 1RACE 2.000 17.C NO 24.000 25.000 26.000 27.000 28.000 .0001 FIG. 25 .1000 .0100 .0010 .9H\HREF .9 RECOVERY FACTOR, MEASURED TO THEO. HEAT TRANSFER RATIO AT

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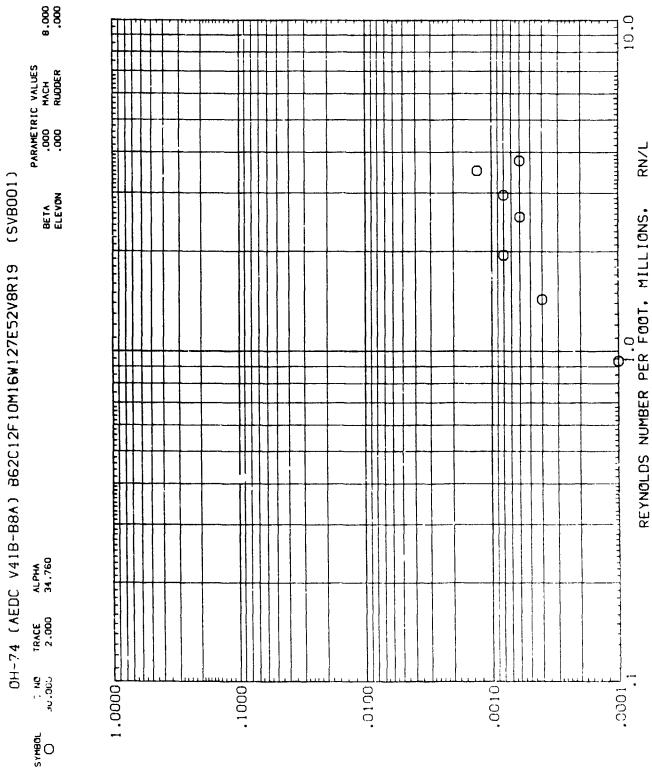
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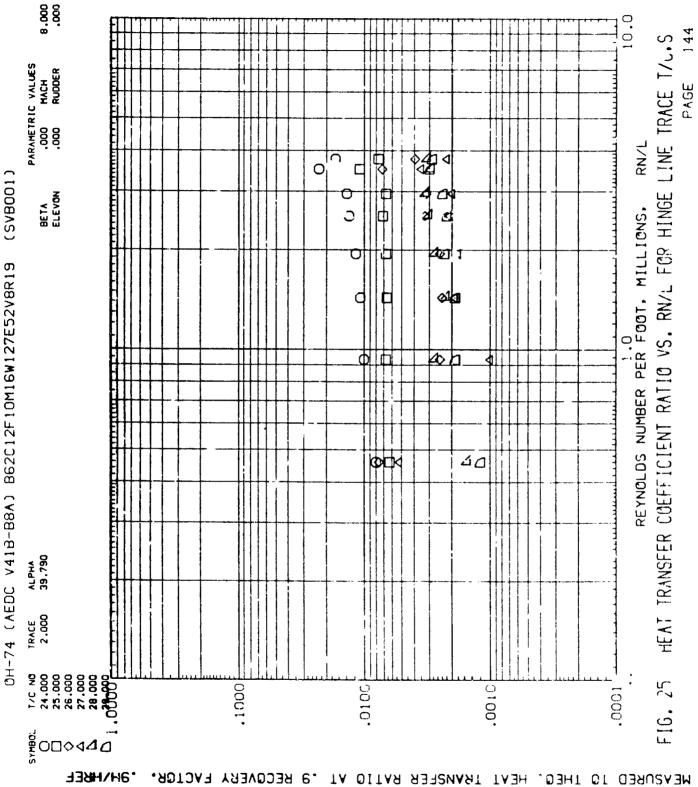
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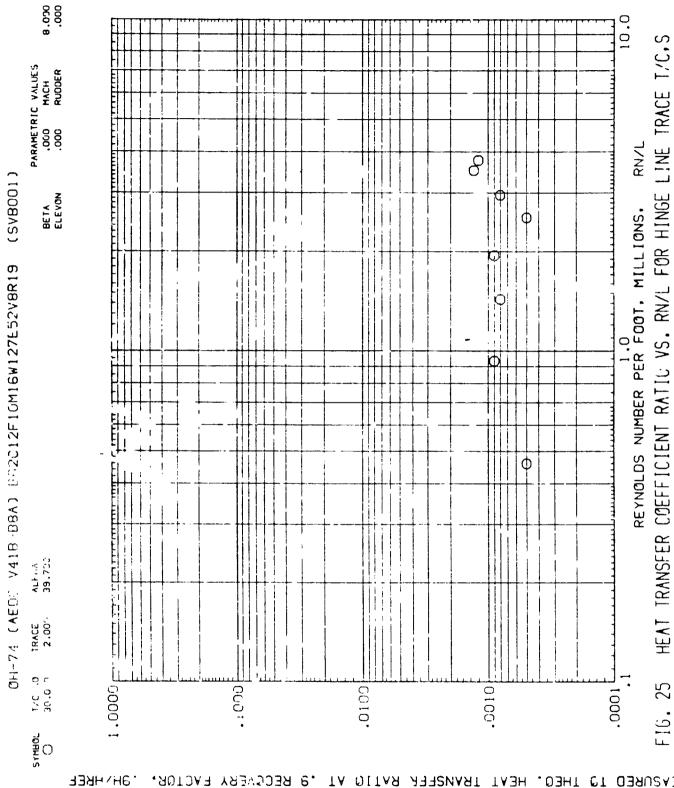
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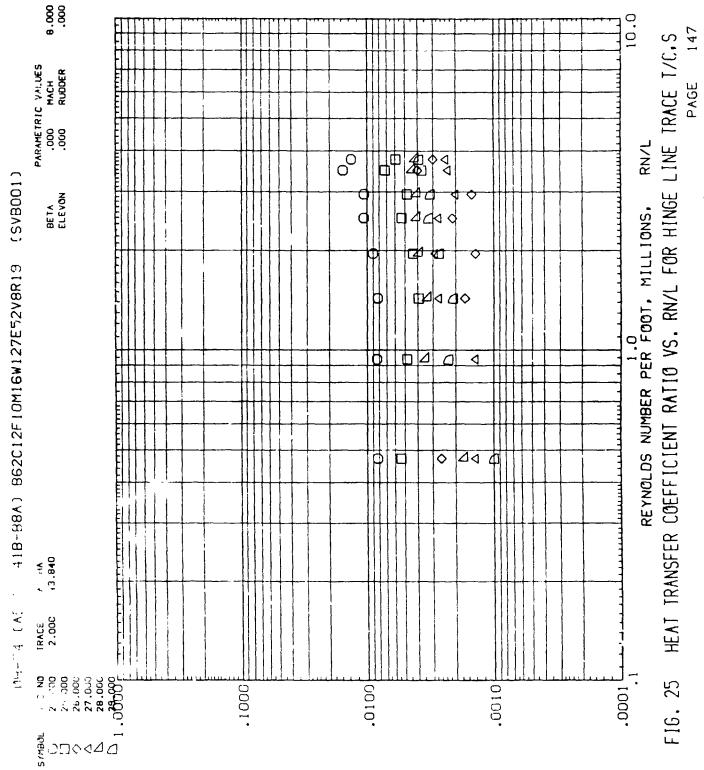
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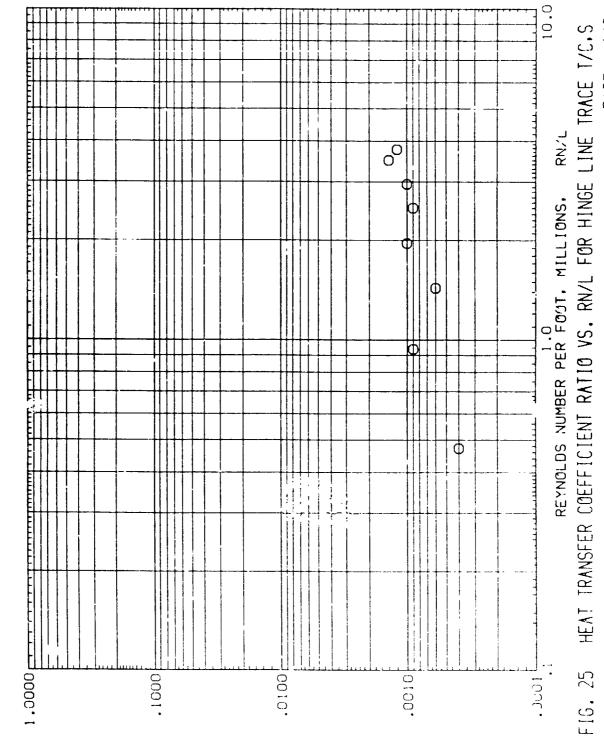
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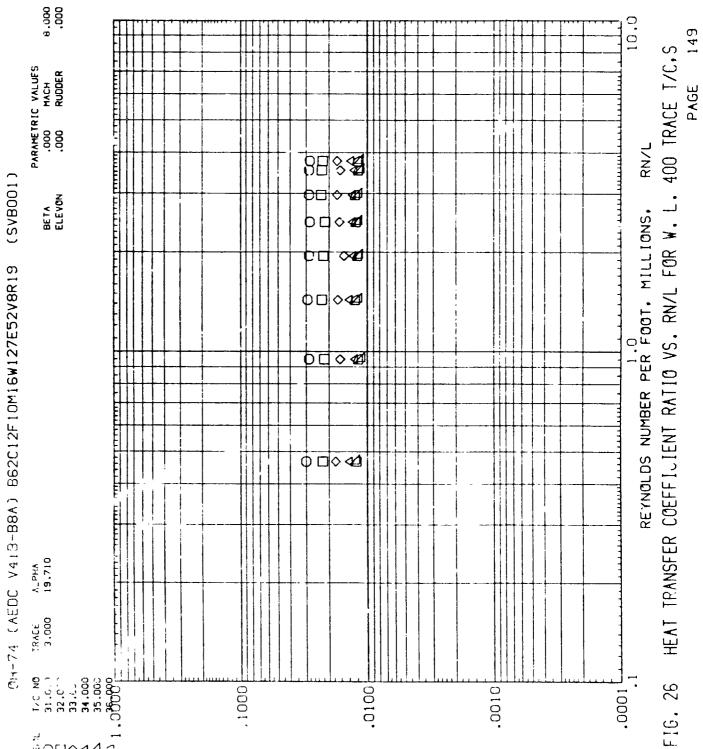
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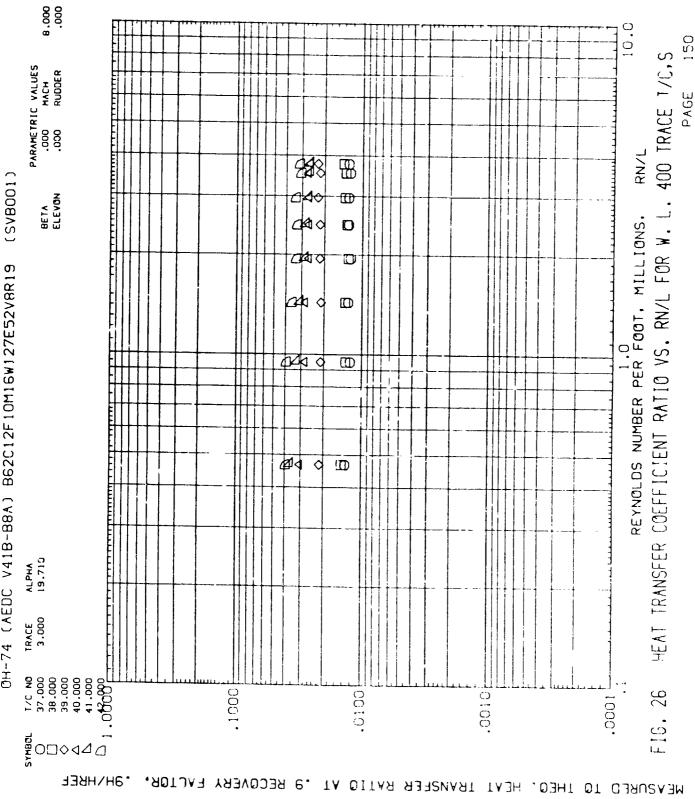
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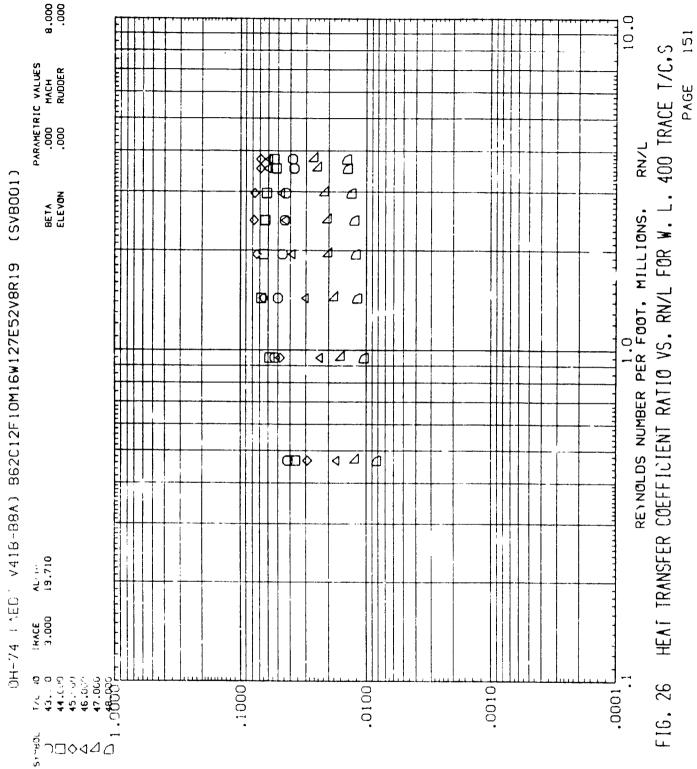


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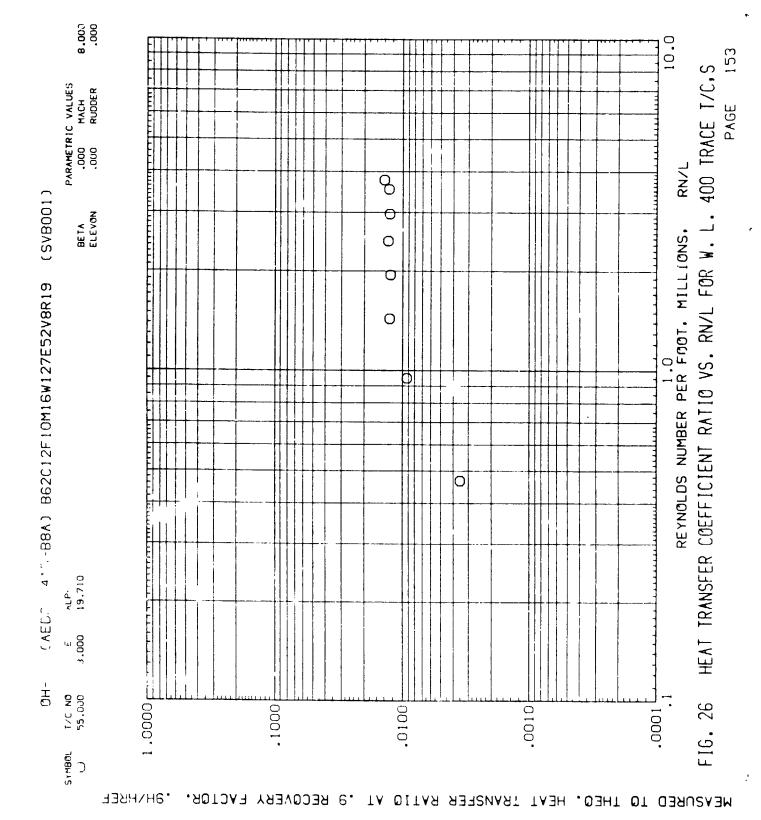
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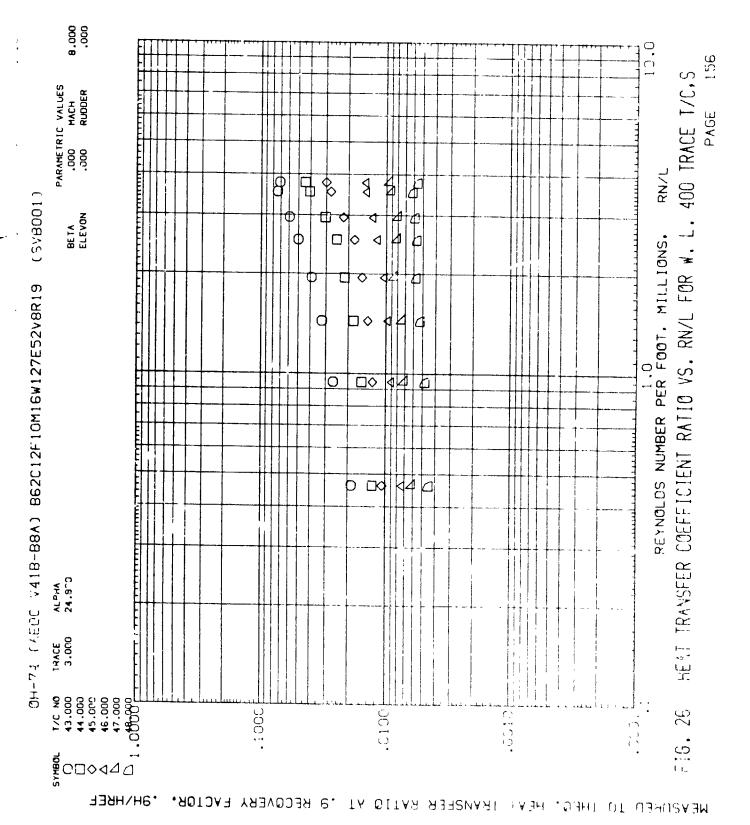
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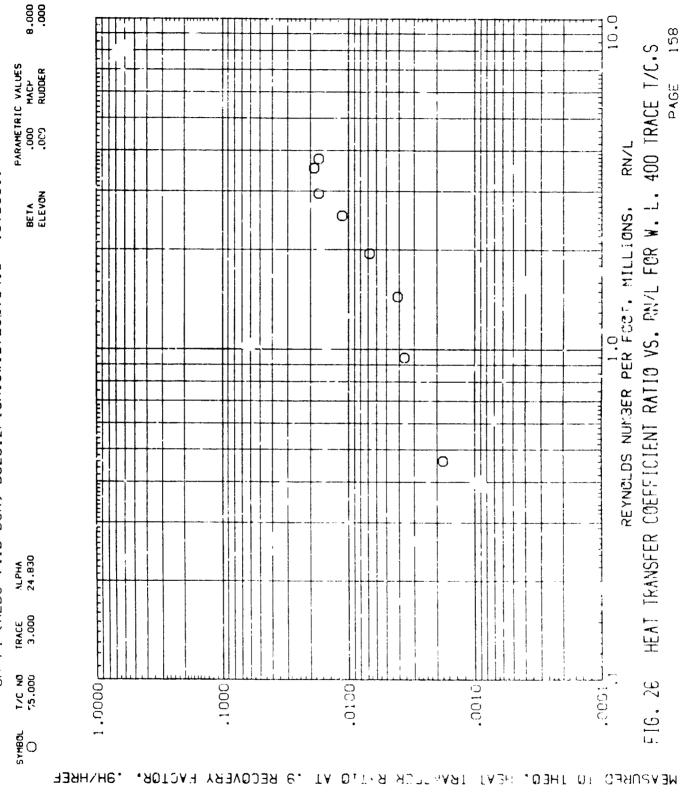
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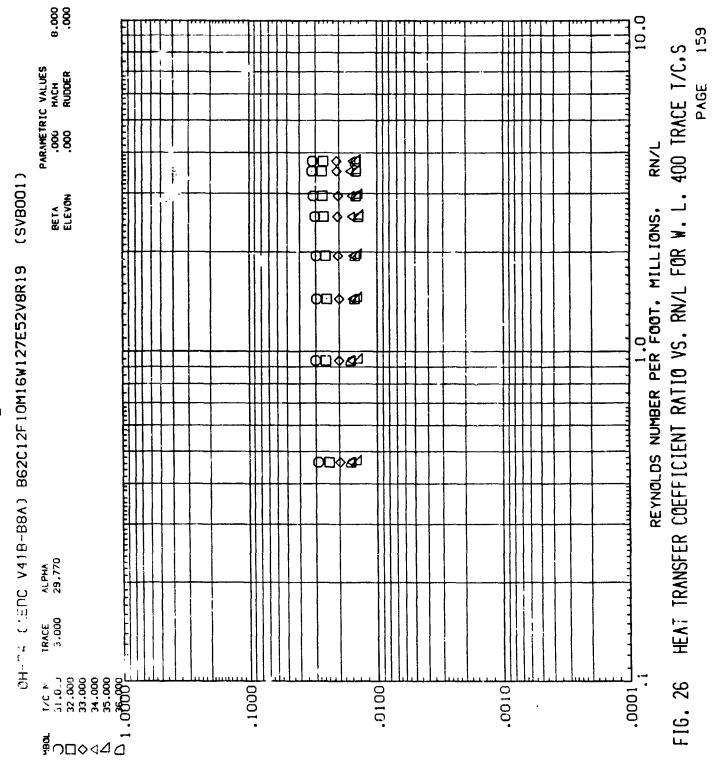
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9000 10.0 160 FIG. 26 HEAT TRANSFER COEFFICIENT RATIO VS. RN/L FOR W. L. 400 TRACE 7/C,S PARAMETRIC VALUES 000 HACH .000 RUDDER RN/L BB (SVB001) 1300 4300 BETA ELEVON 1.0 REYNOLDS NUMBER PER FOOT, MILLIONS, **中的** 0H-74 (AEDC V41B-38A) B62C12F10M16W127E52V8R19 **®**40 00440 ALPHA 29.770 1RACE 3.000 17.C NG 37.006 38.000 40.000 41.000 . . 0000 .1000 .0100 0100. .9H\HREF MEASURED TO THEO. HEAT TRANSFER RATIO AT .9 RECOVERY FACTOR.

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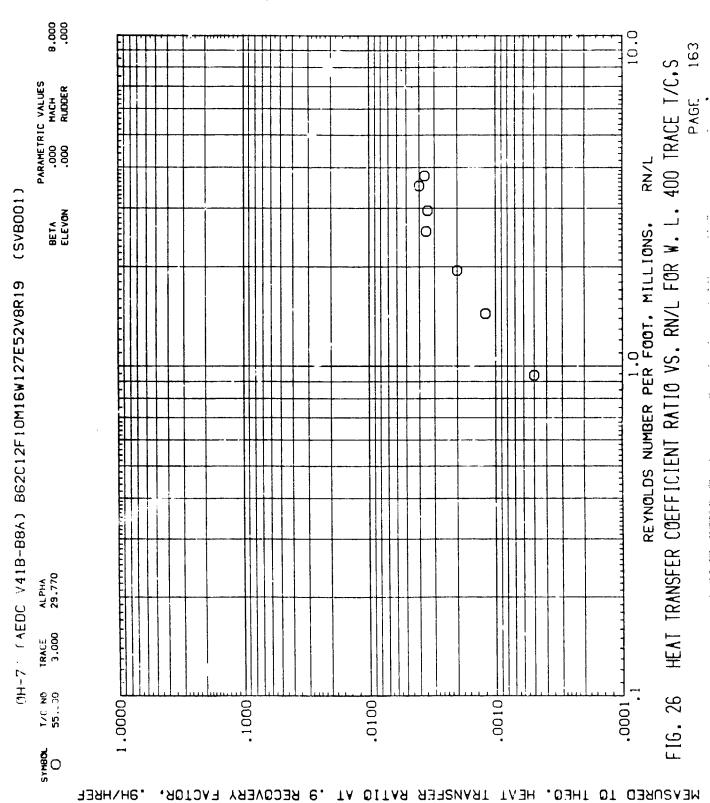
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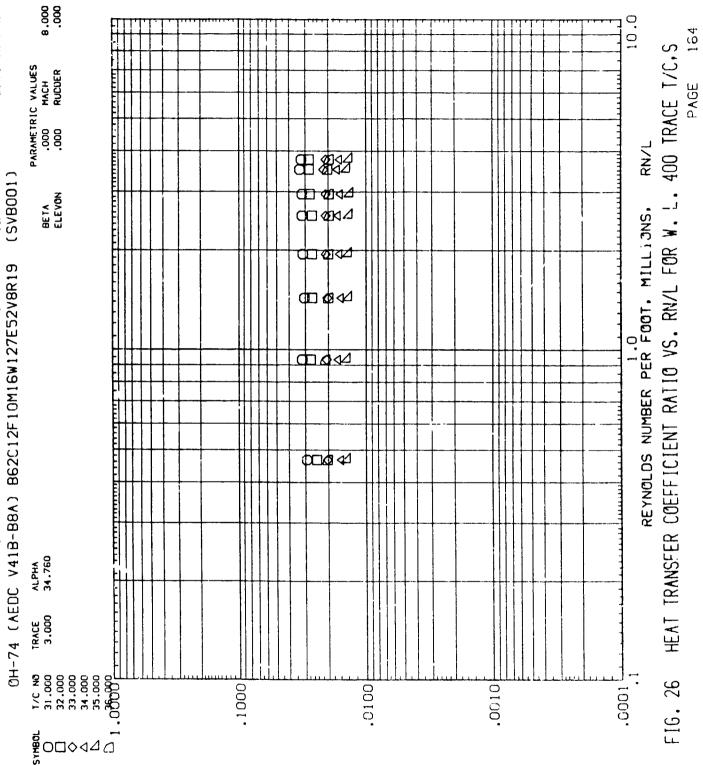
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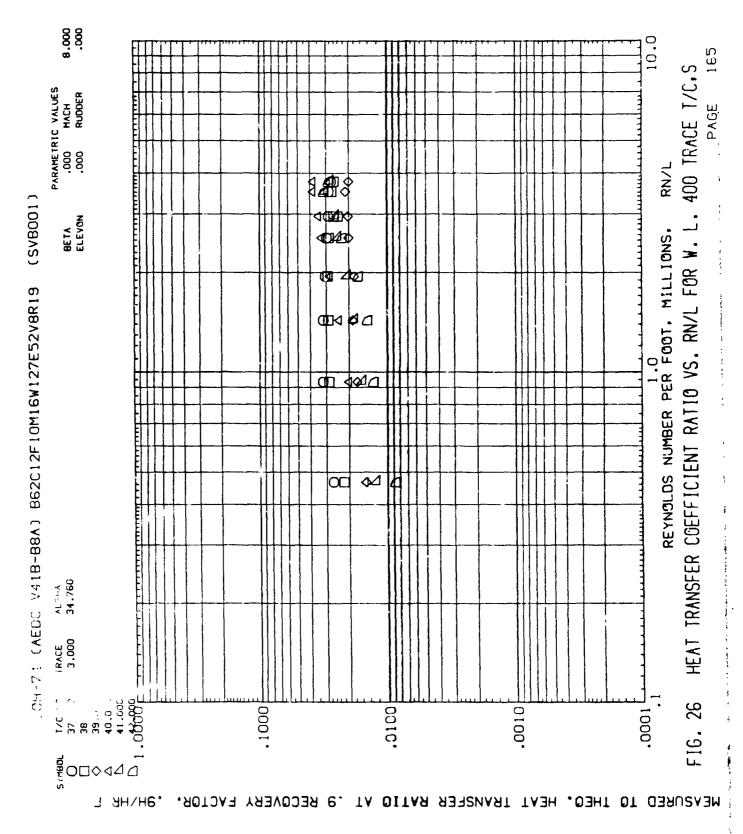
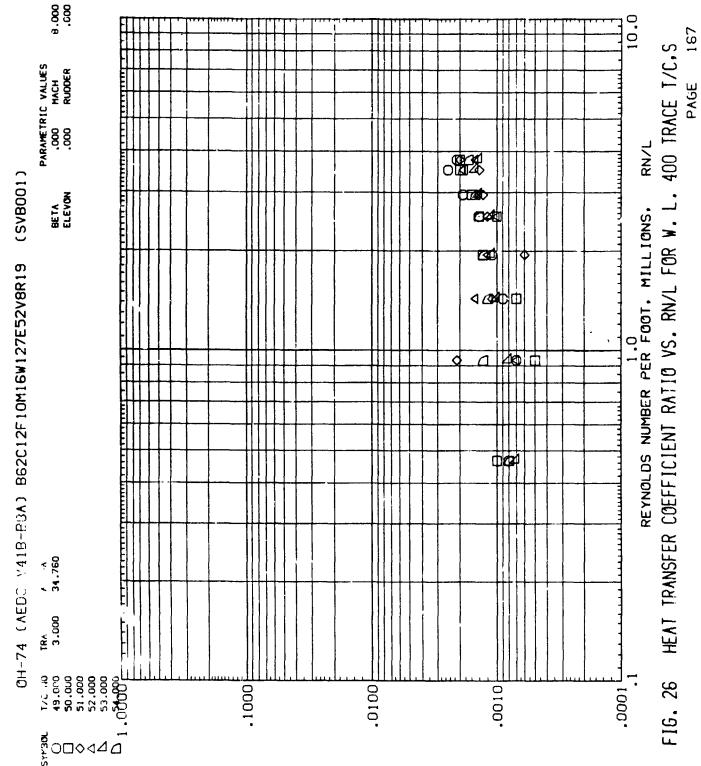


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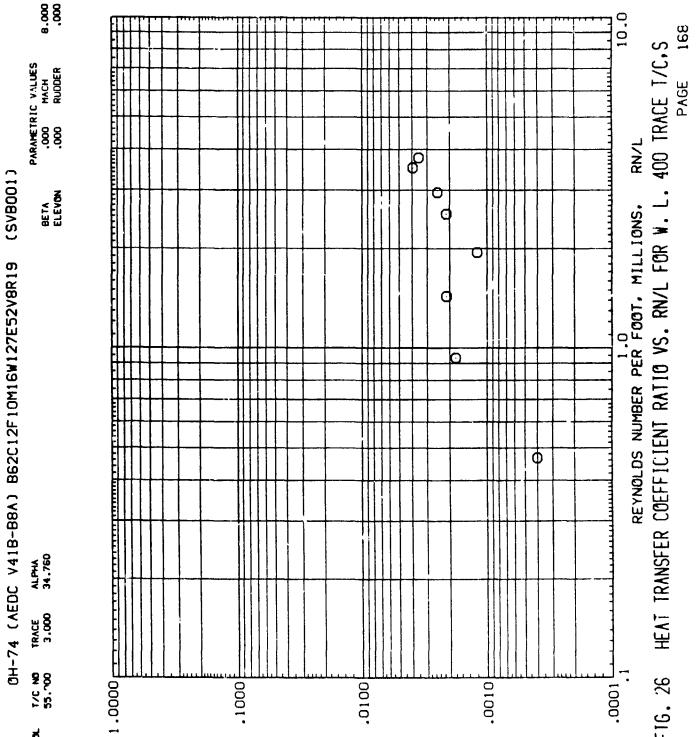
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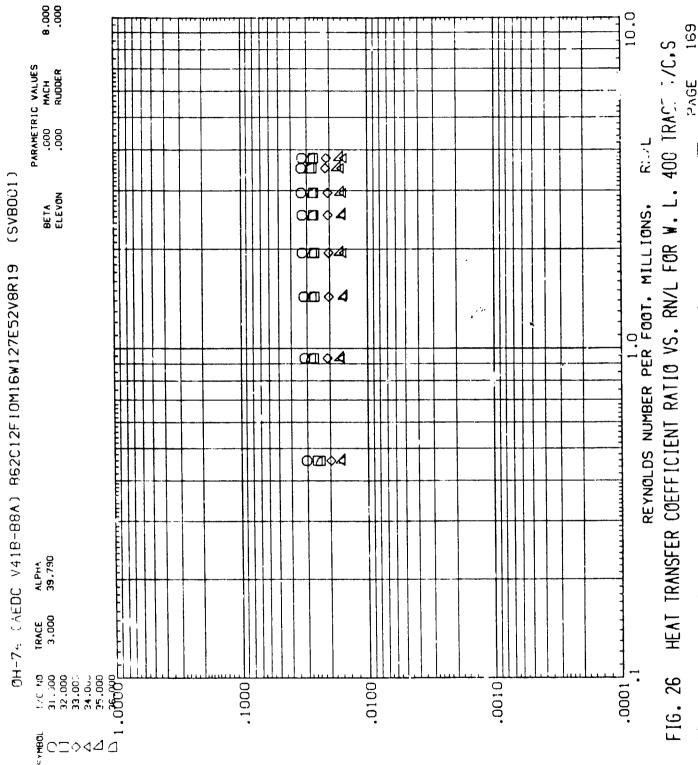
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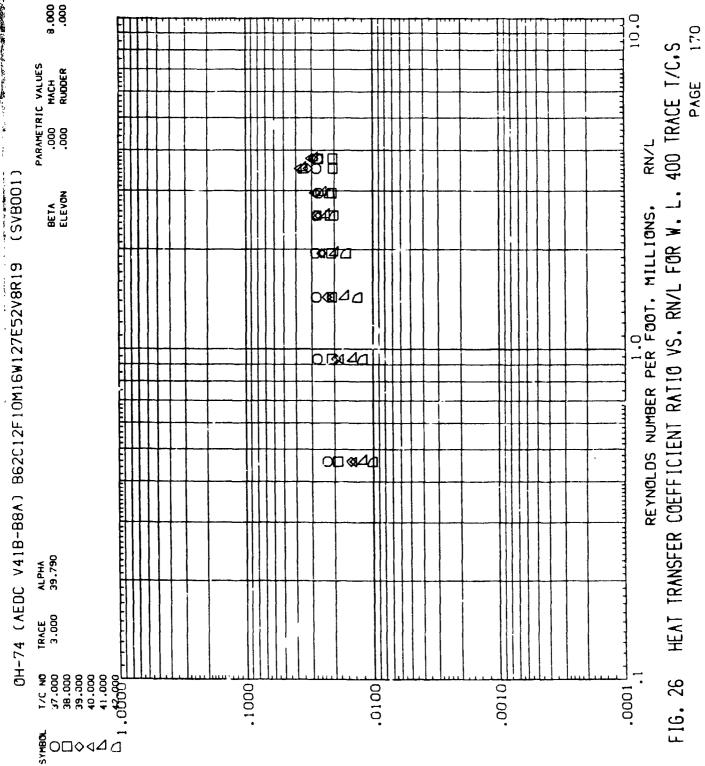


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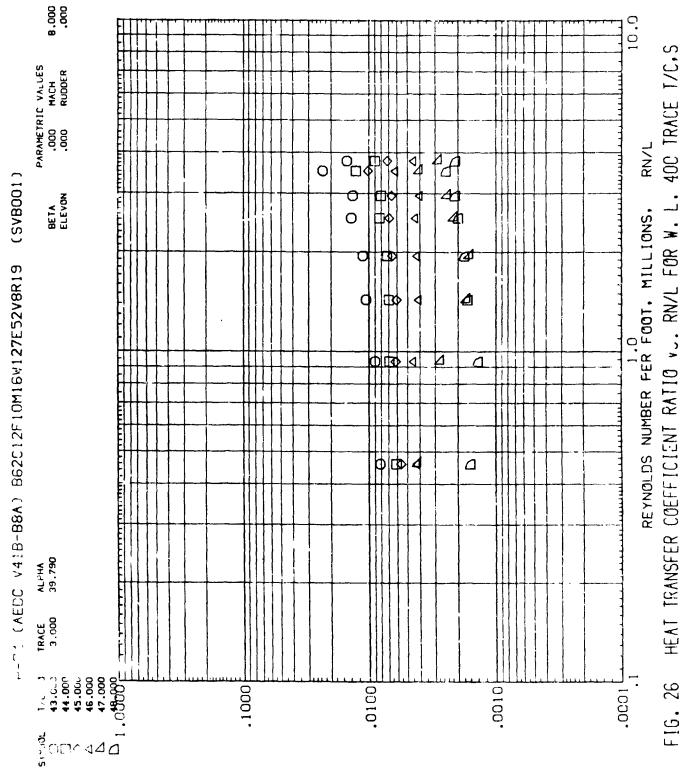
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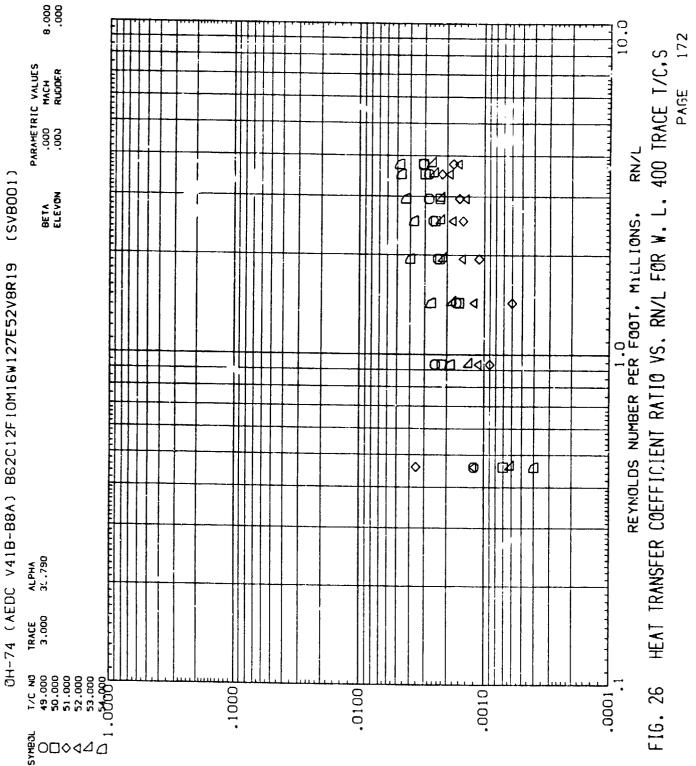
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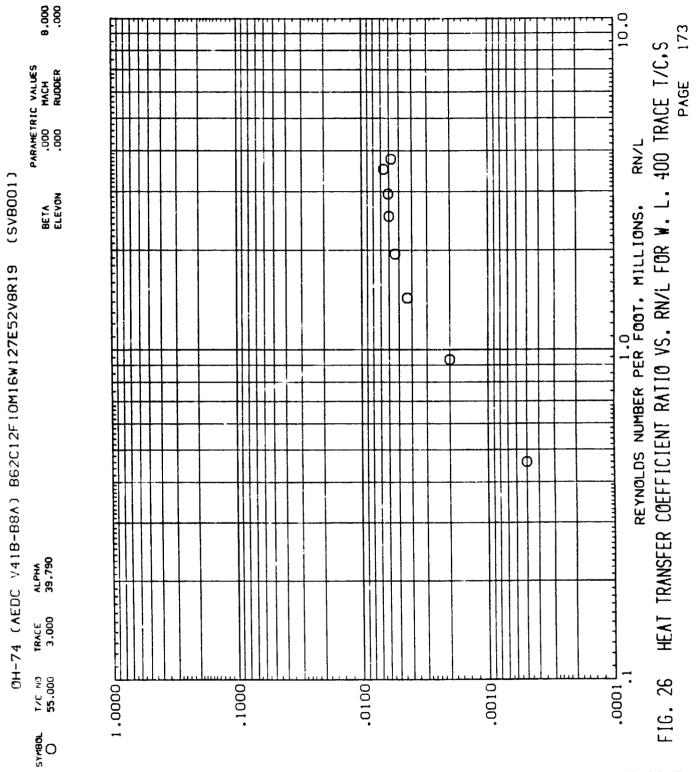
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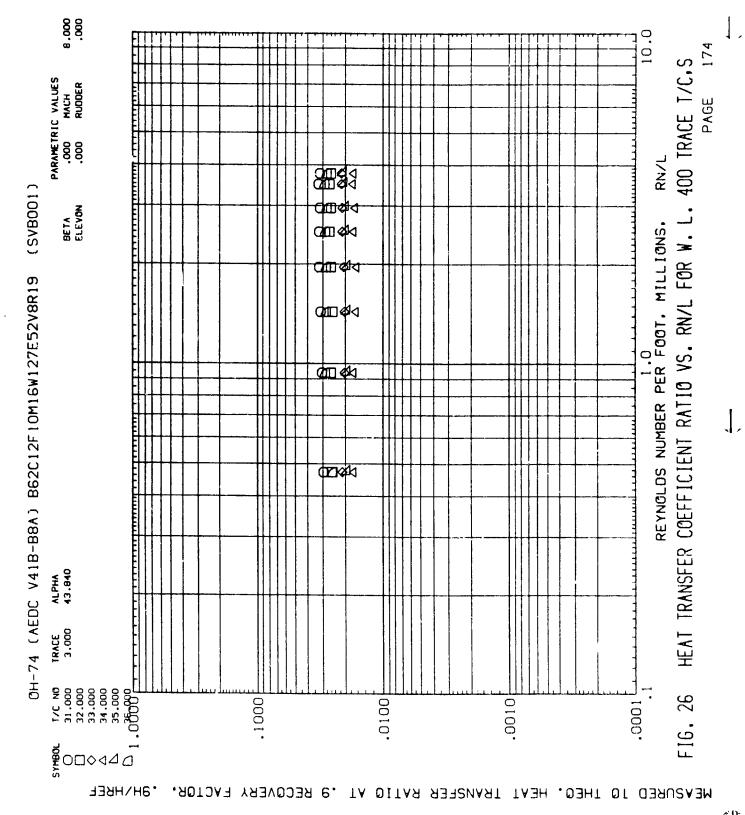
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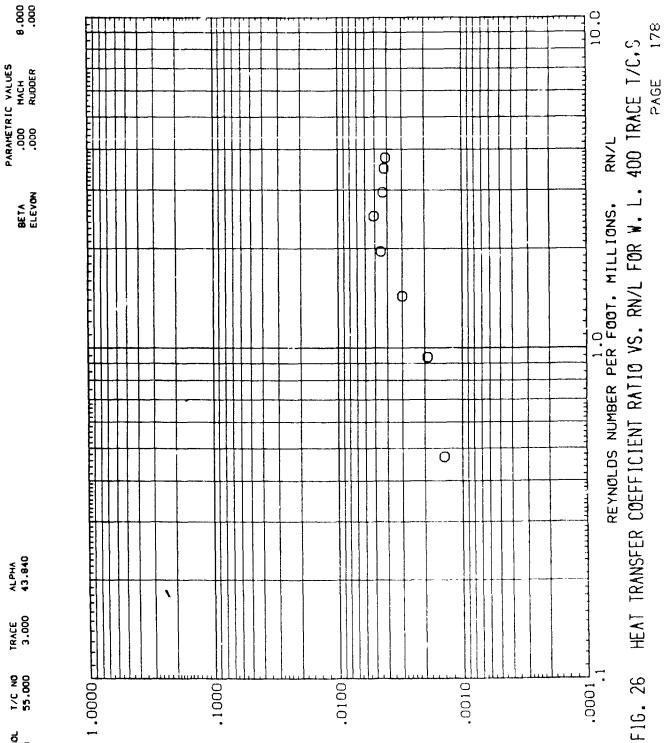
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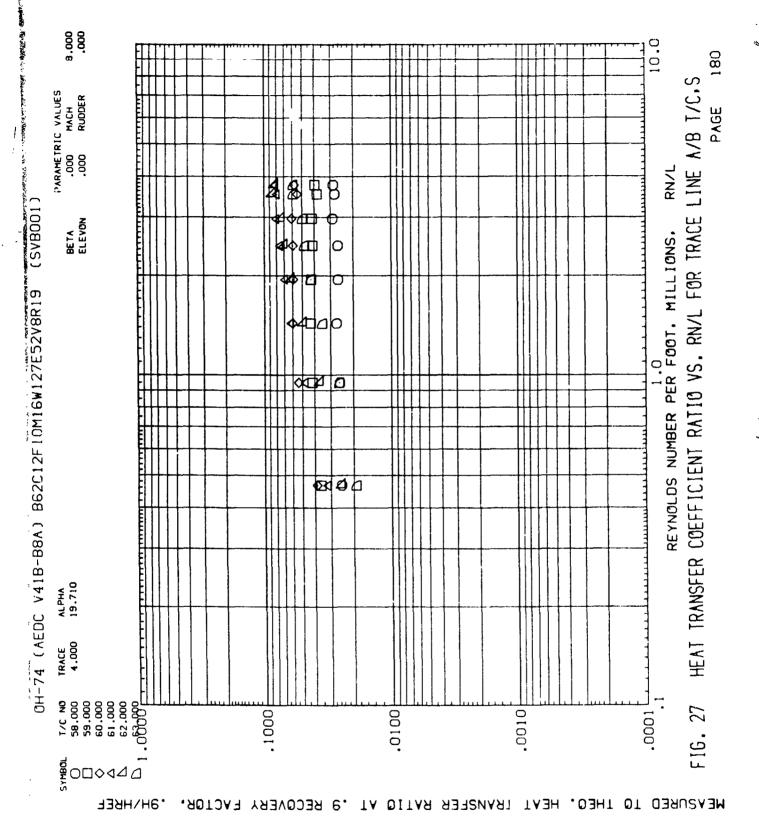
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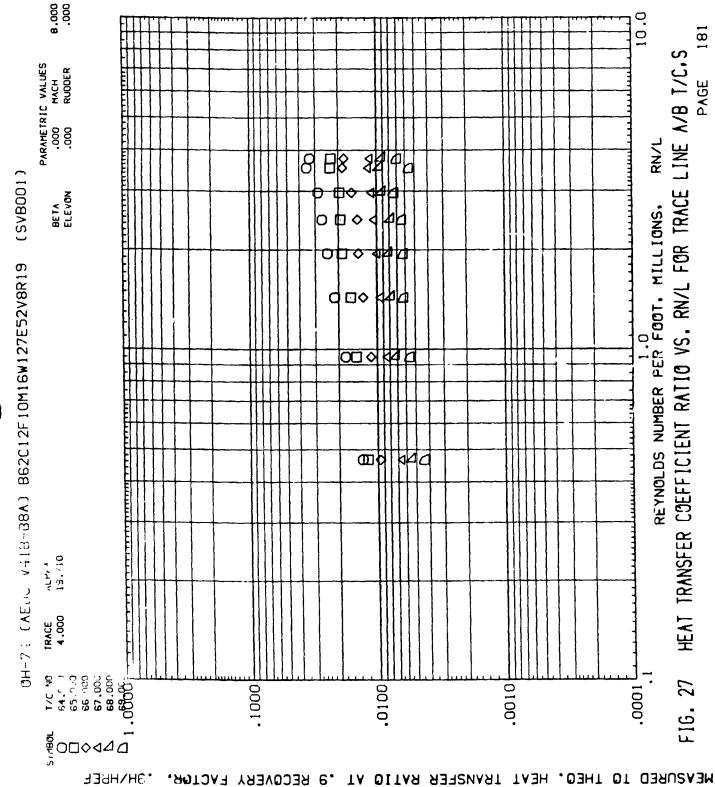
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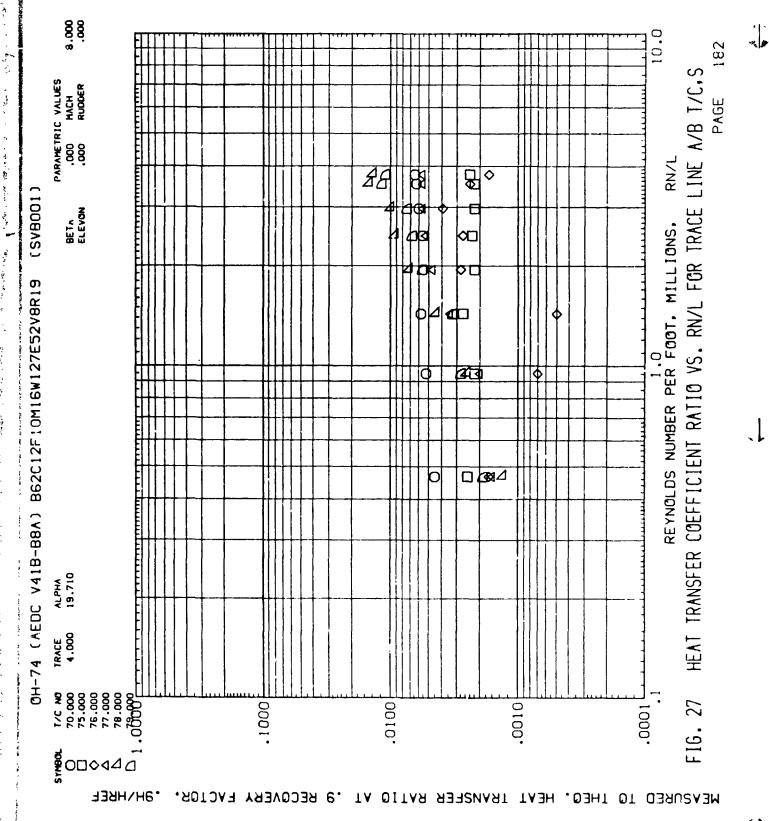
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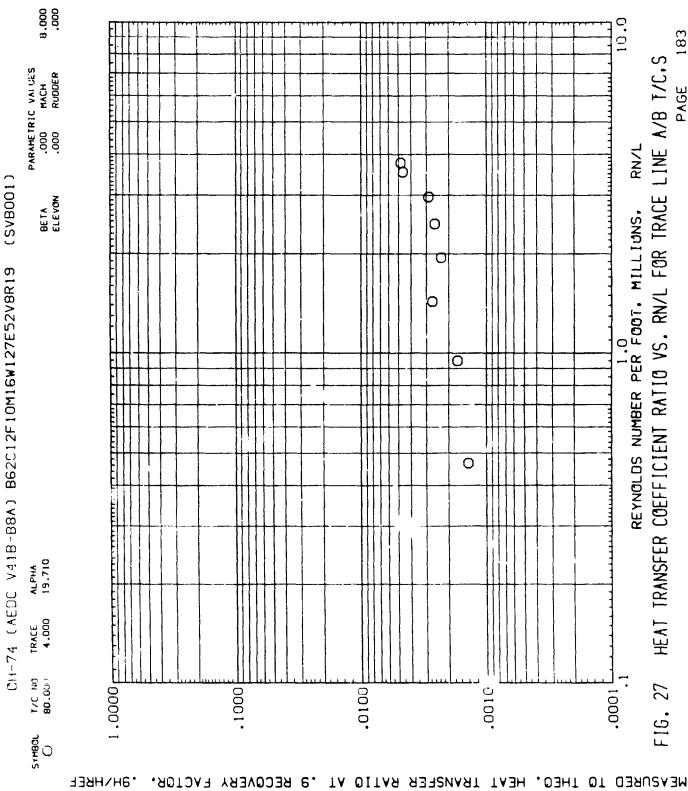
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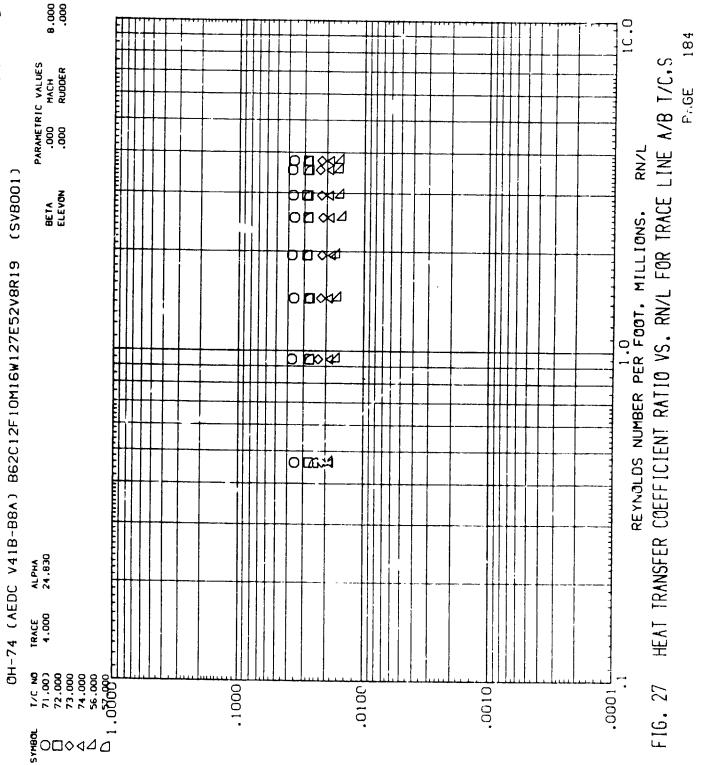


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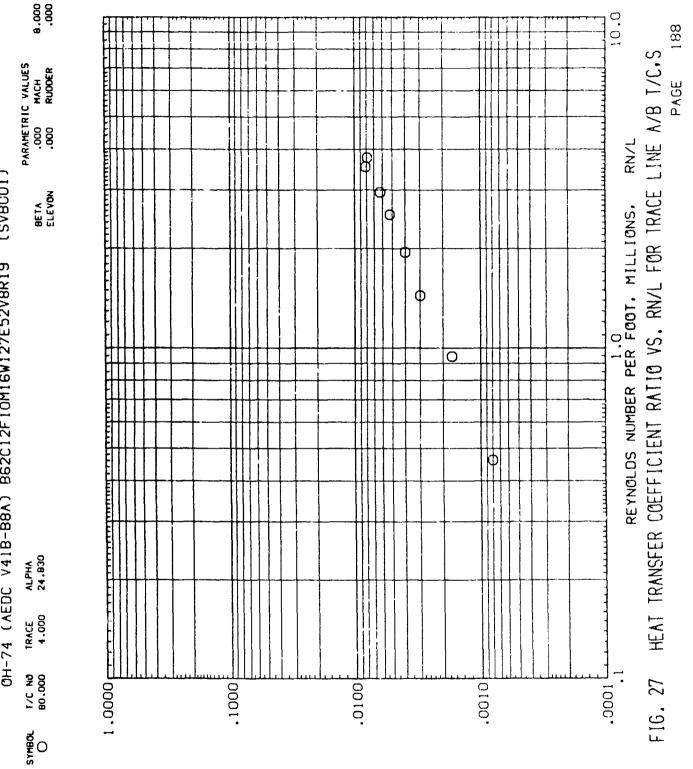
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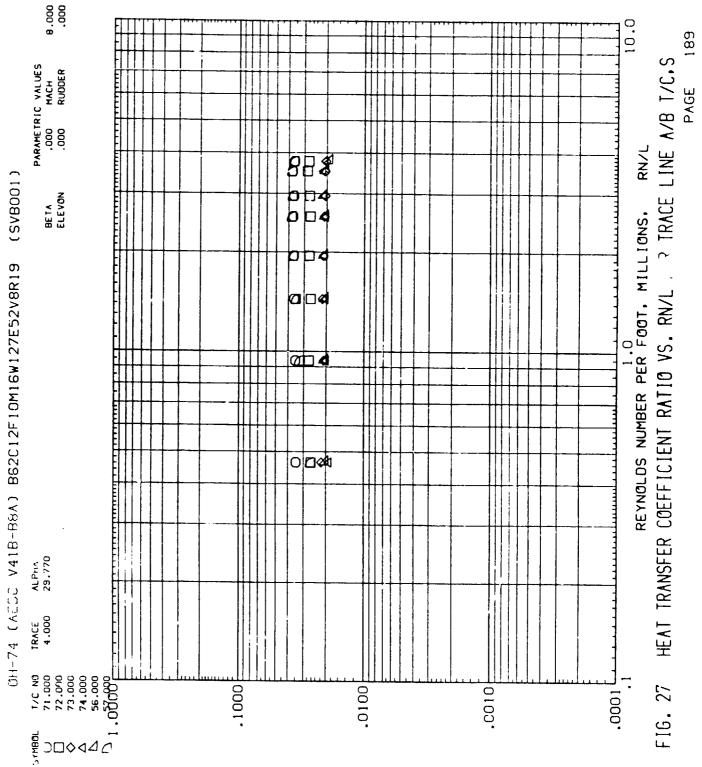
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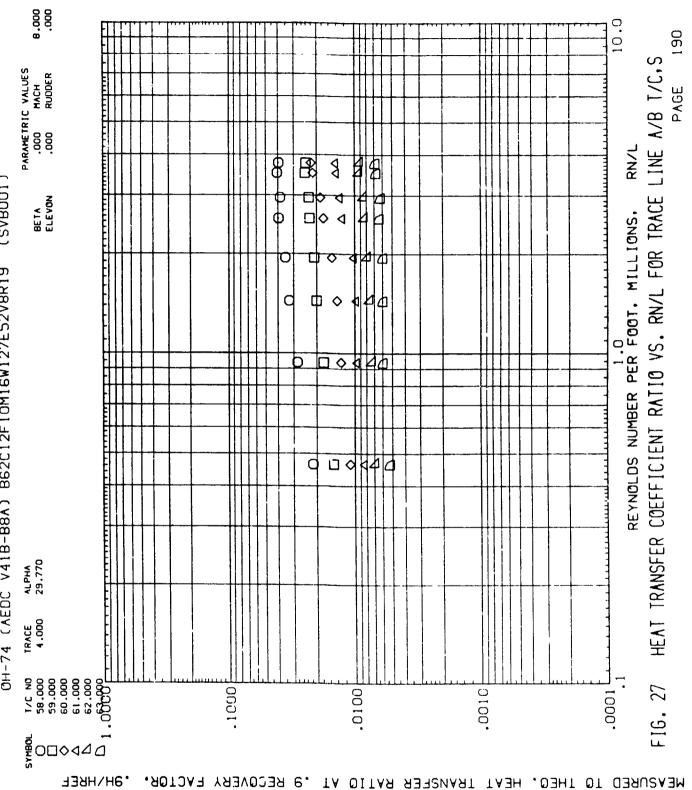


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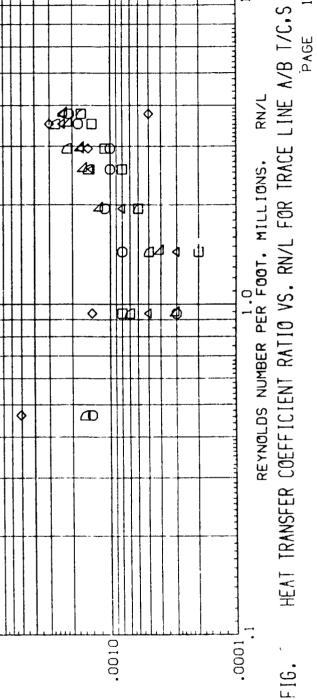
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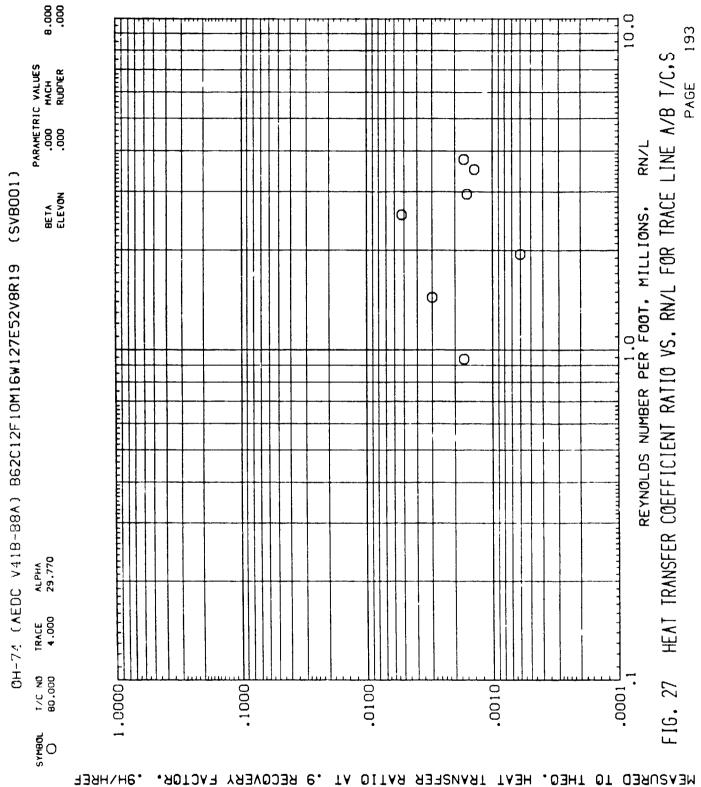
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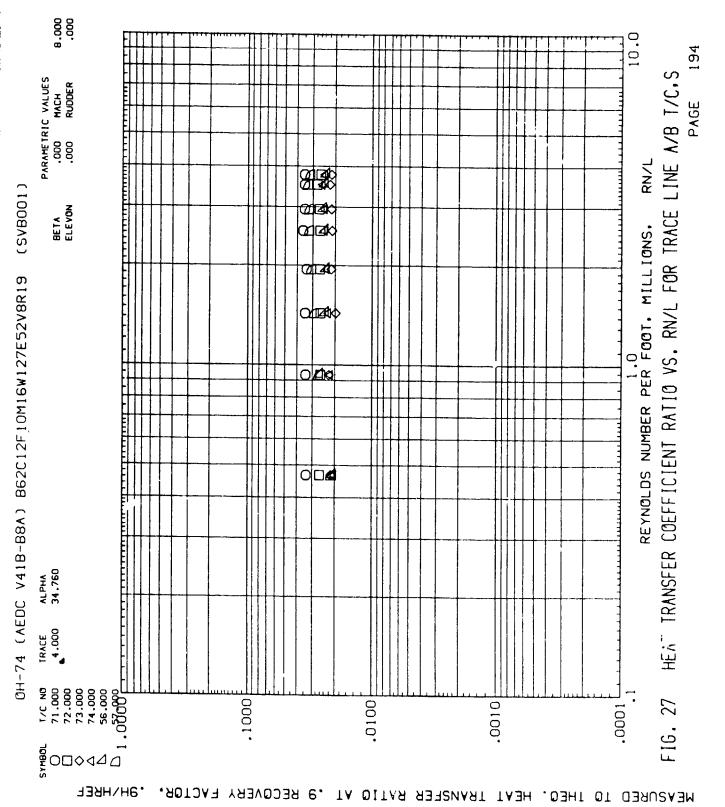
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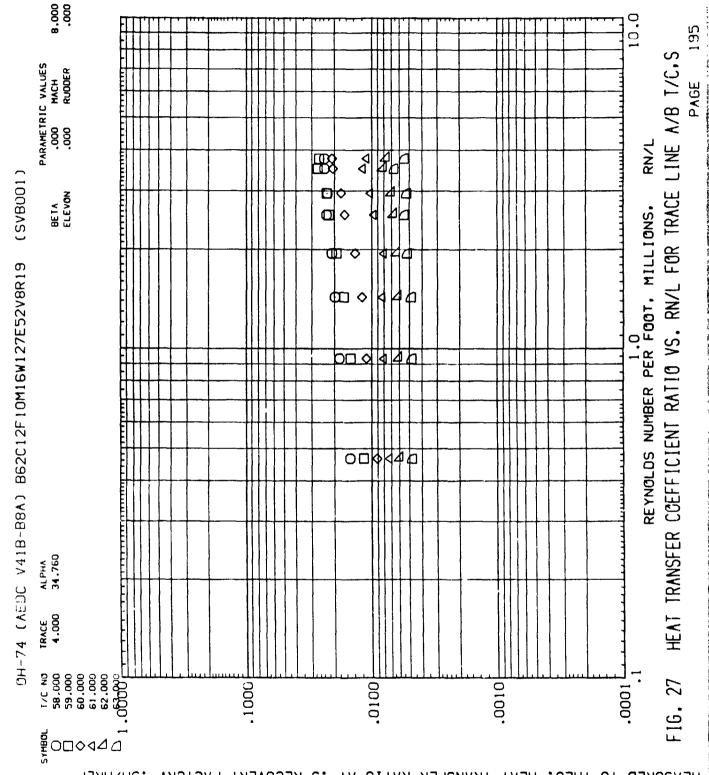
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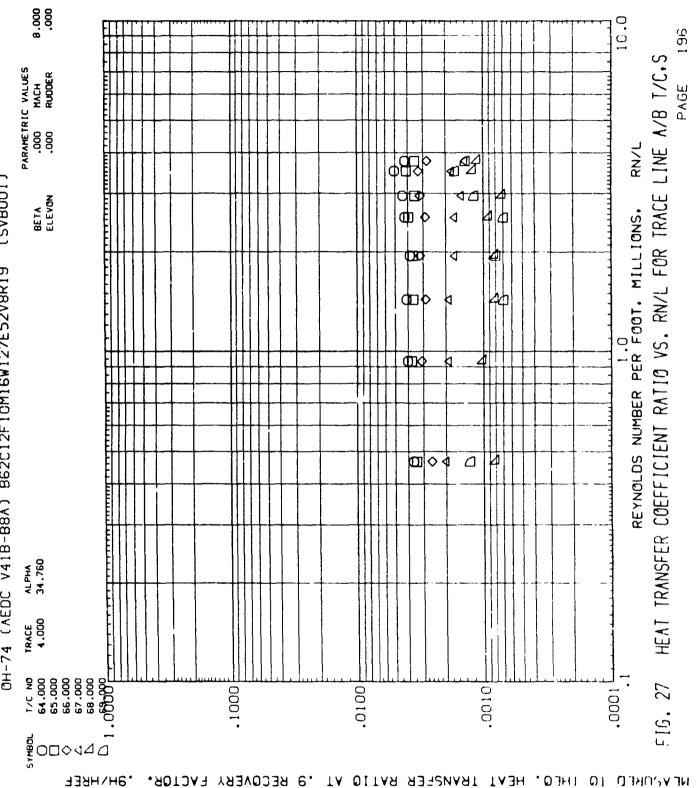


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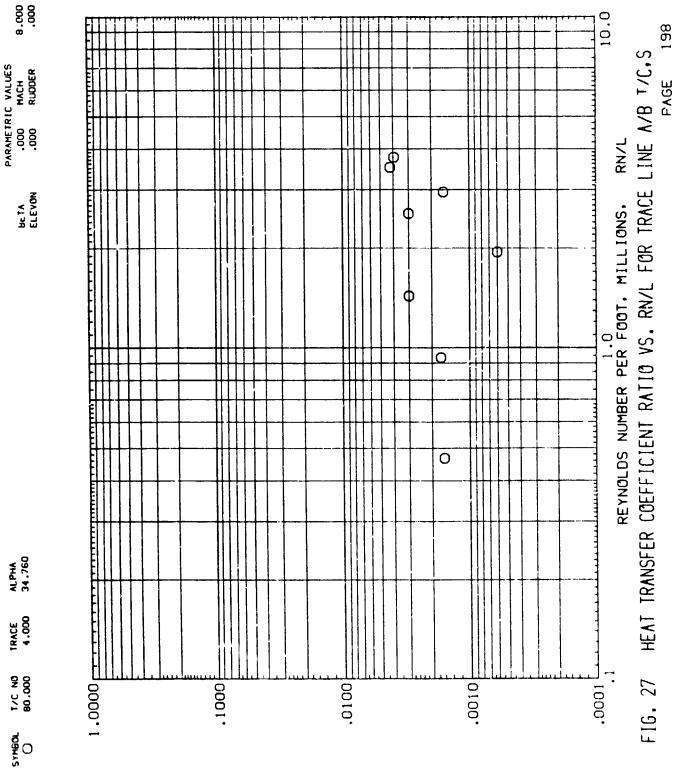


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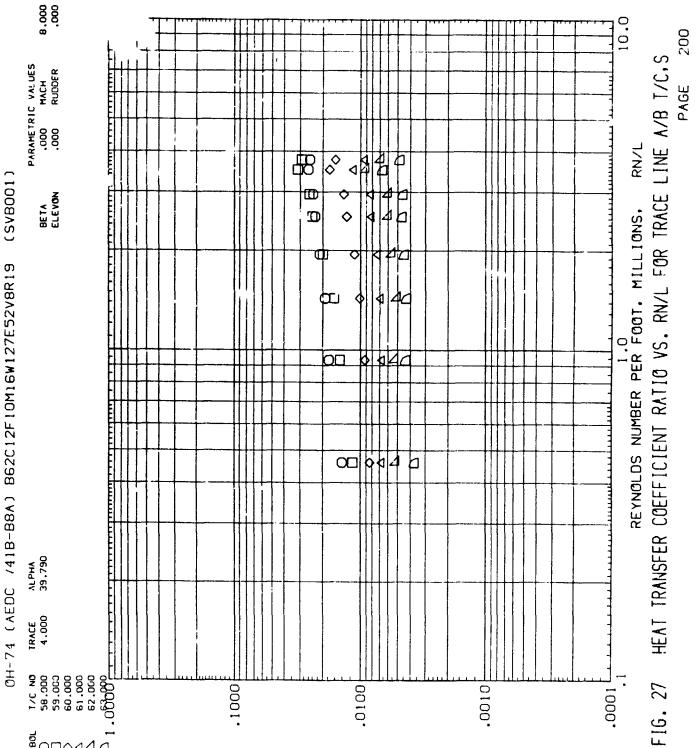
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.9H\HREF

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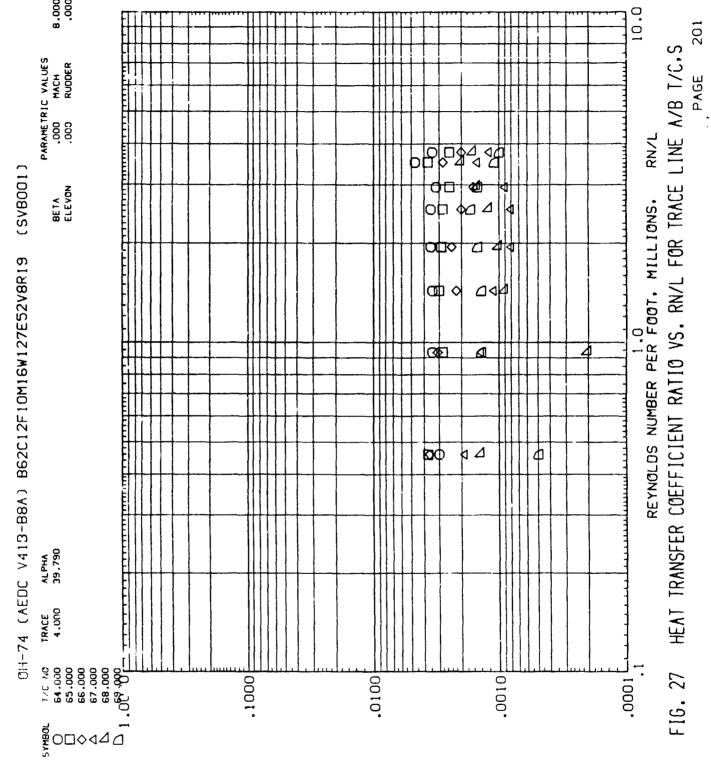
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1RACE 4.000 17.C NO 58.200 59.003 60.000 61.000 62.000 FIG. 27 .1000 .0010 .0001 .0100 .9H\HREF MEASURED TO THEO. HEAT TRANSFER RATIO AT .9 RECOVERY FACTOR.



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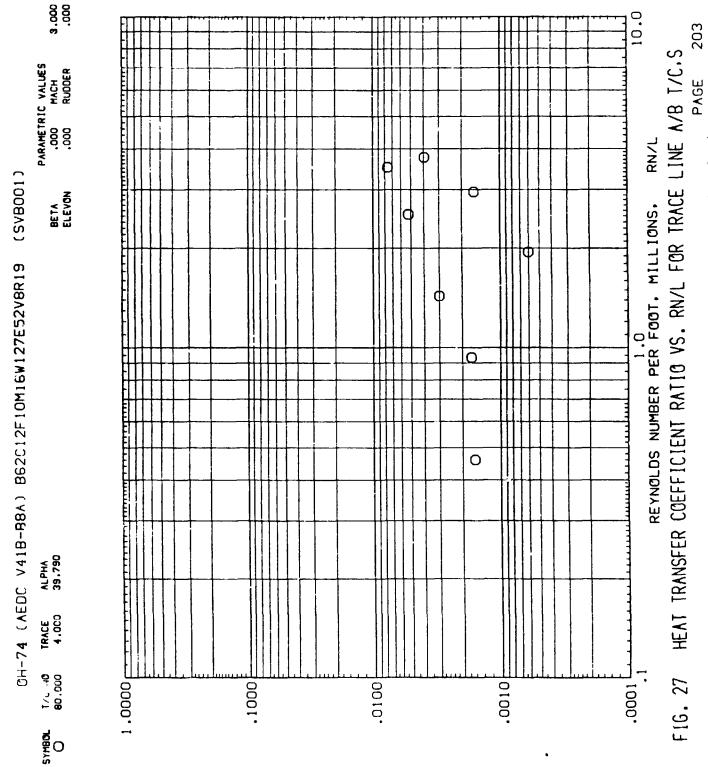
.9H\HREF .9 RECOVERY FACTOR, MEASURED TO THEO. HEAT TRANSFER RATIO AT



8.000. 10.0 HEAT TRANSFER COEFFICIENT RATIO VS. RN/L FOR TRACE LINE A/B T/C.S PAGE 2 PARAMETRIC VALUES .000 MACH .000 RUDDER RN/L **8** ₽° 8 0H-74 (AEDC V41B-B8A) B62C12F10M16W127E52V8R19 (SVB0C1) BETA ELEVON 1.0 REYNOLDS NUMBER PER FOOT, MILLIONS, ф B ₫ 0 124 ф 041 ALPHA 39.790 1RACE 4.000 77.000 75.000 75.000 77.000 78.000 FIG. 27 .0010 .0100 , 1000. .1000 .9 RECOVERY FACTOR, MEASURED TO THEO. HEAT TRANSFER RATIO AT

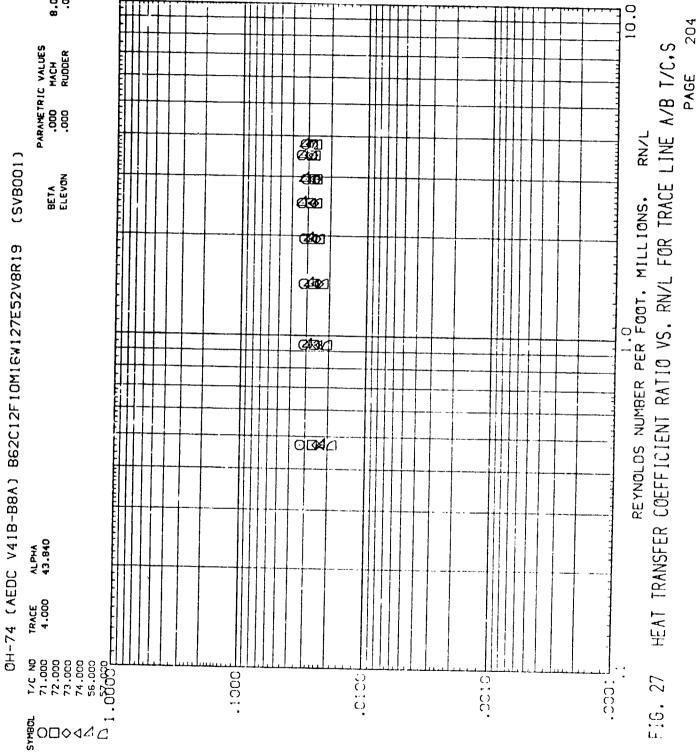
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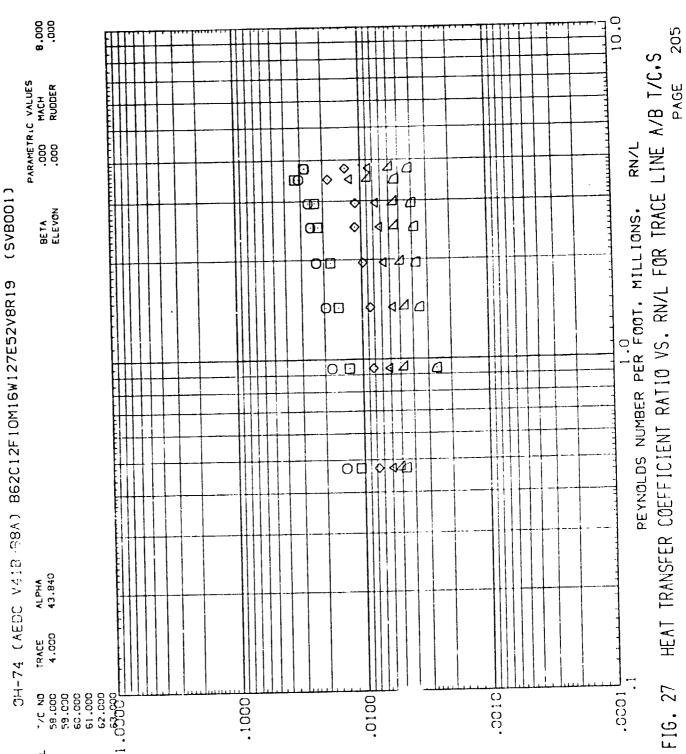
JAHNH6. MEASURED TO THEO. HEAT TRANSFER RATIO AT .9 RECOVERY FACTOR.



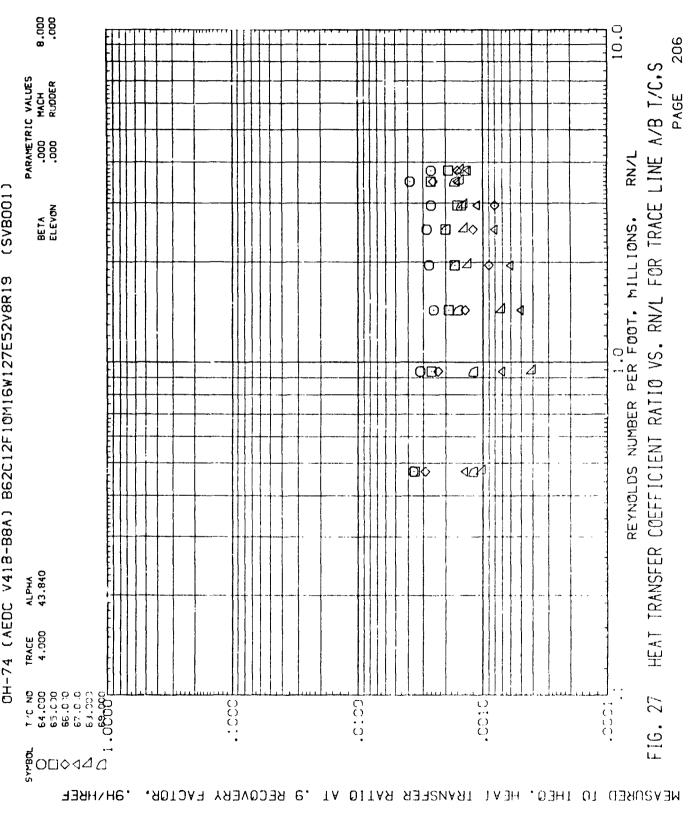
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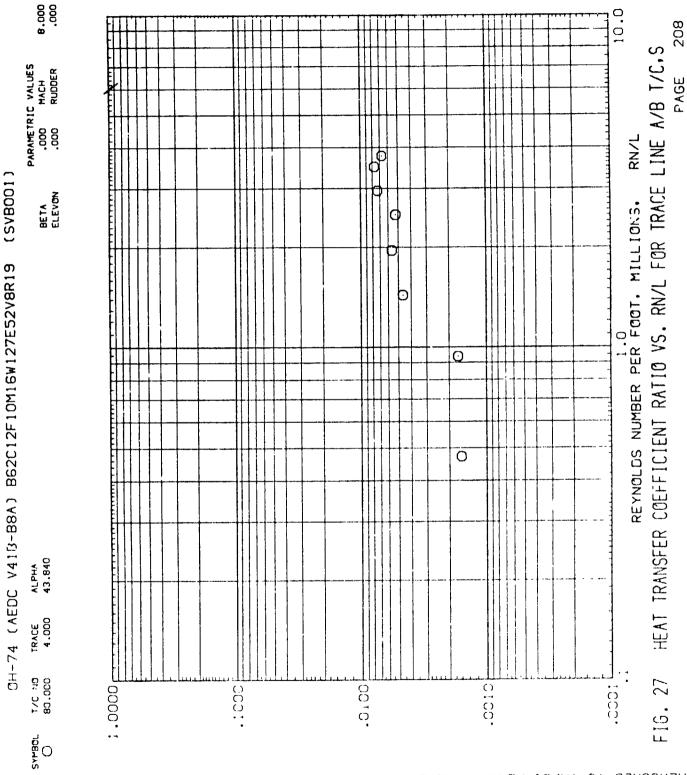


(SVB001) 0H-74 (AEDC V418-B8A) B62C12F10M16W127E52V8R19



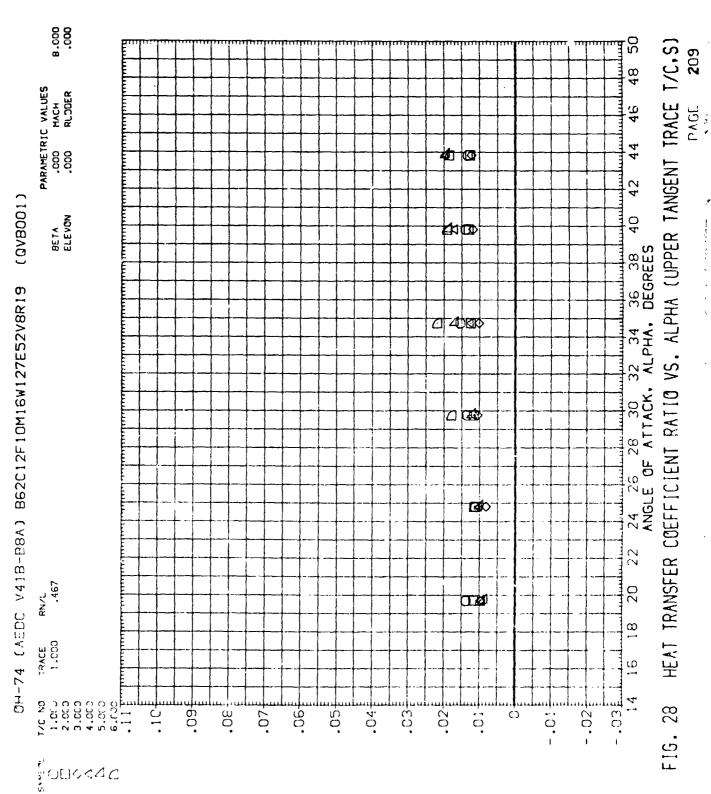
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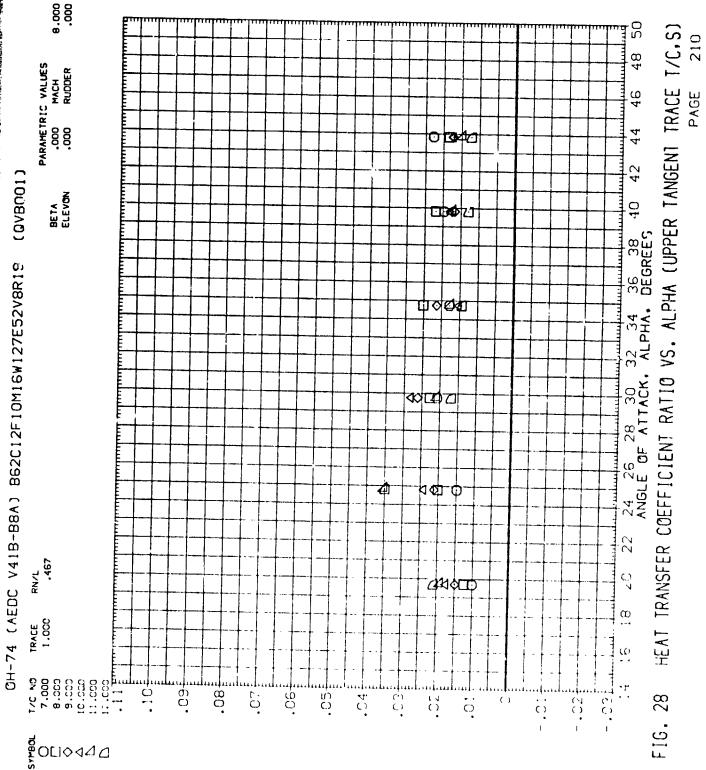


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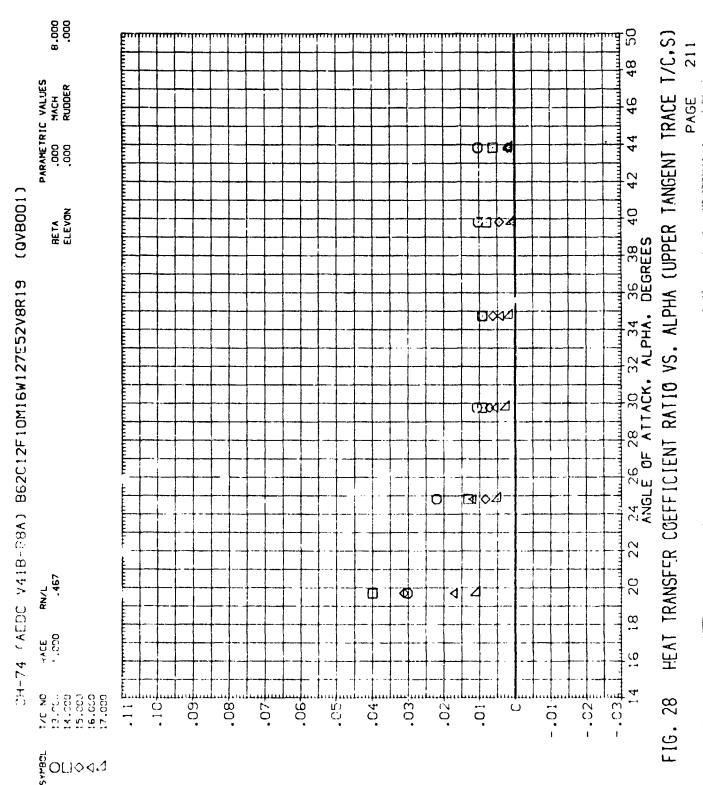
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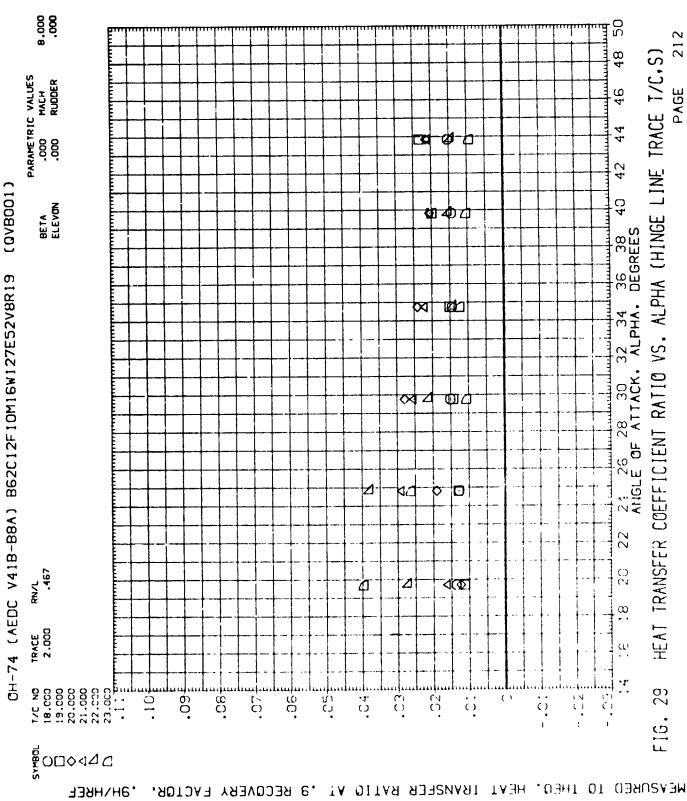


OH-74 (AEDC V41B-B8A) B62C12F1OM16W127E52V8R19

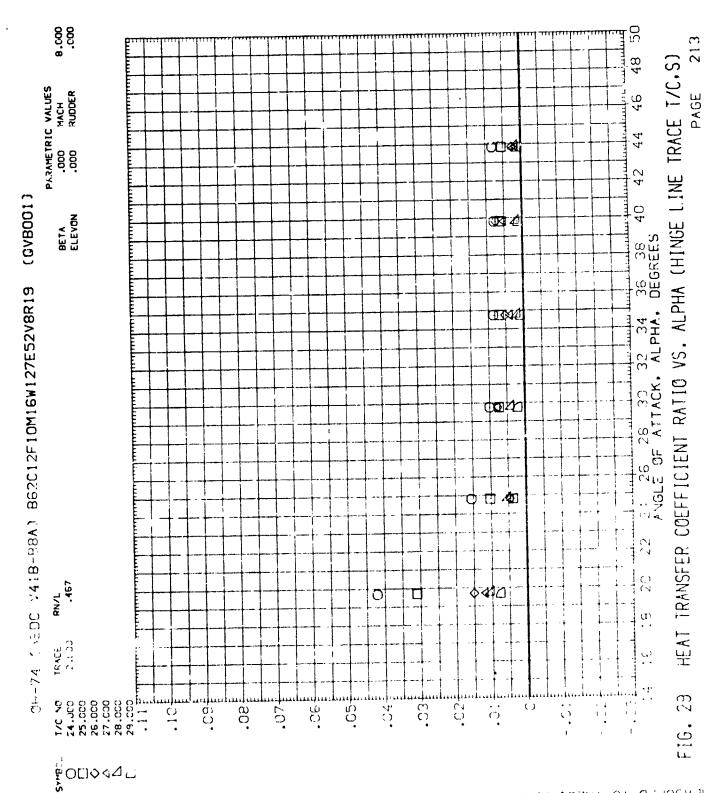
. 9H/HREF

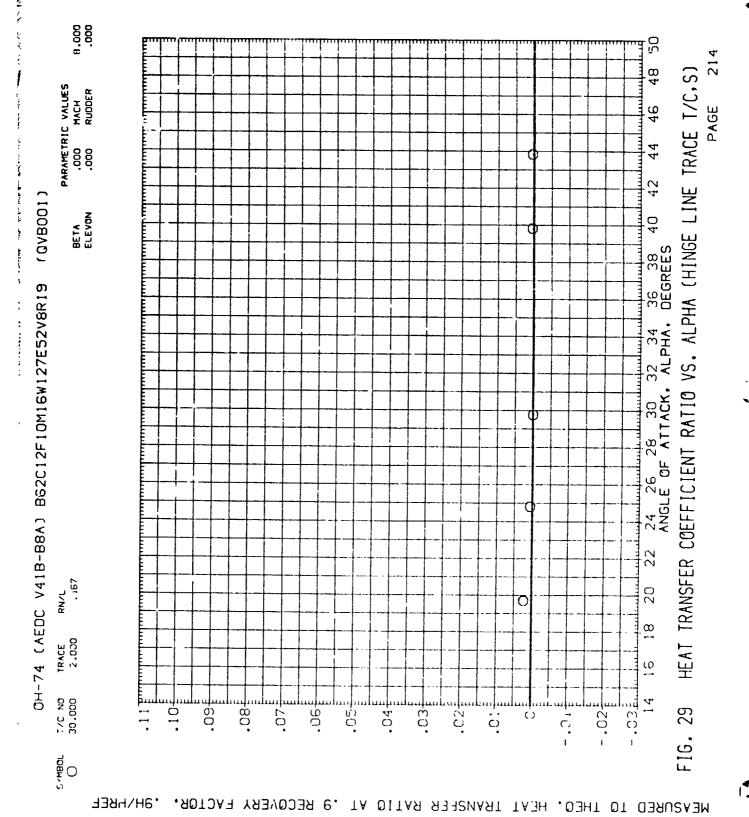
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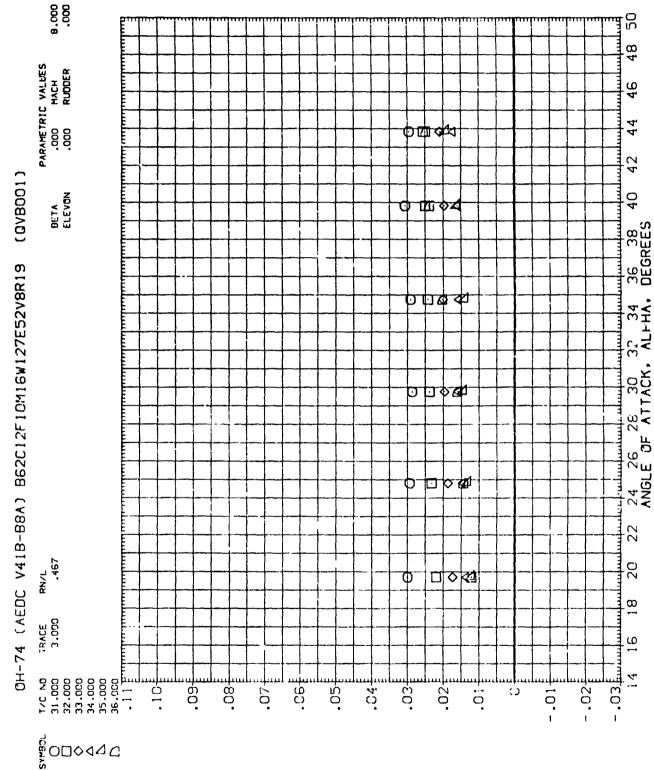


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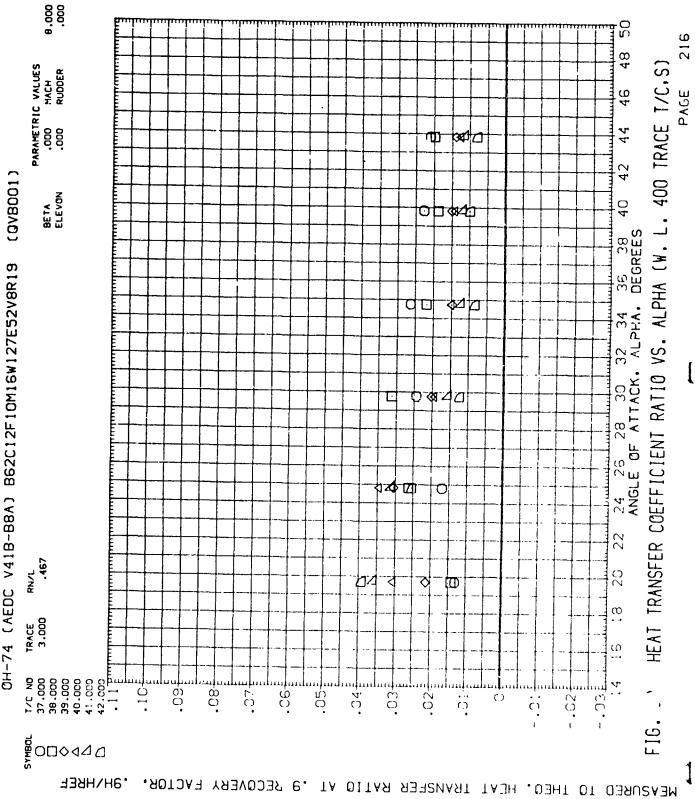
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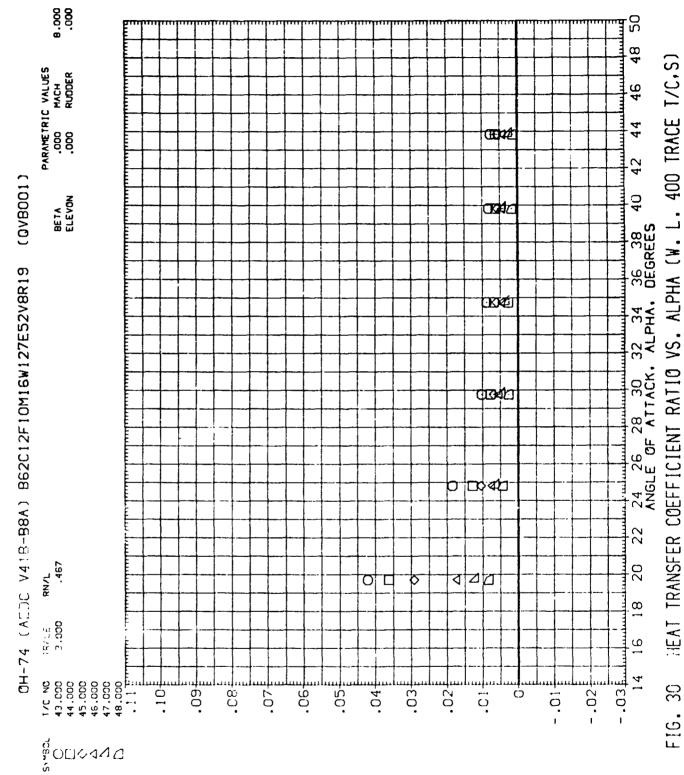
HEAT TRANSFER COEFFICIENT RATIO VS. ALPHA (W. L. 400 TRACE T/C.S)

FIG. 30

OH-74 (AEDC V418-88A) B62C12F10M16W127E52V8R19



MEASURED TO THEO. HEAT TRANSFER RATIO AT .9 RECOVERY FACTOR, .9H/HREF



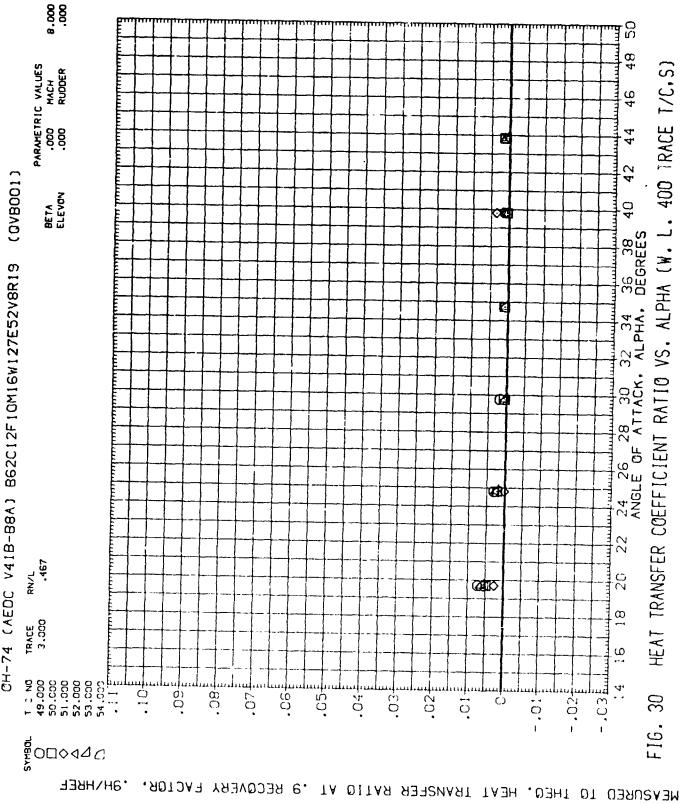
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CH-74 (AEDC V41B-B8A) B62C12F1CM16W127E52V8R19



HEAT TRANSFER COEFFICIENT RATIO VS. ALPHA (W. L. 400 TRACE T/C,S) FIG. 30

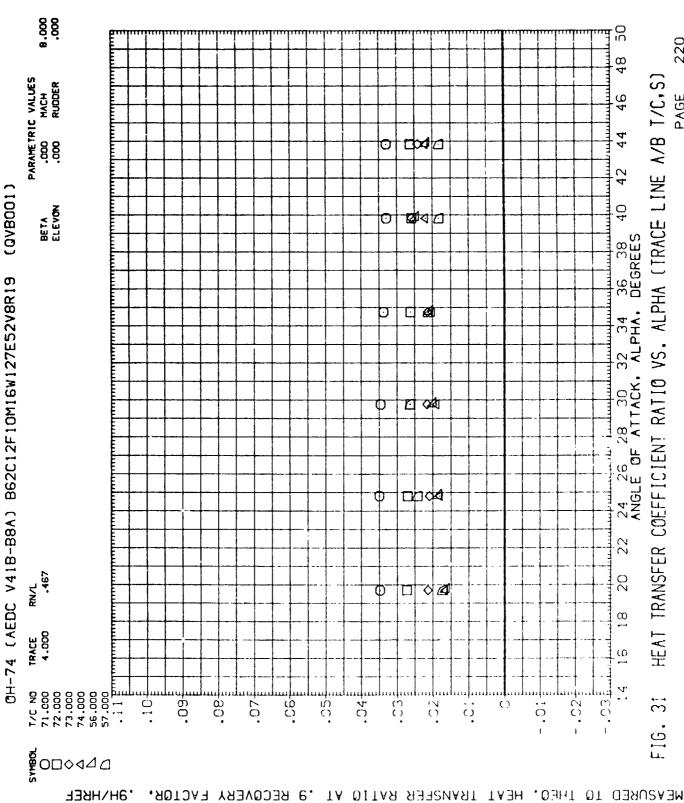
8.00 0.00 48 PARAMETRIC VALUES .000 MACH .000 RUDDER 24 26 28 30 32 34 36 38 40 42 ANGLE OF ATTACK, ALPHA, DEGREES (QVB001) BETA ELEVON 0H-74 (AEDC V41B-38A) 862C12F10M16W127E52V8R19 18 3.000 9 -.035 1/C NO 55.000 .03± ·02 <u>-.02</u>₽ .04± .104 -09E .05<u>F</u> .08<u>F</u> 90. .07 0. -.01-Ò SYMBÖL O

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HEAT TRANSFER COEFFICIENT RATIO VS. ALPHA (W. L. 400 TRACE T/C.S.) FIG. 30

OH-74 (AEDC V41B-B8A) B62C12F10M16W127E52V8R19

.9H\HREF



HEAT TRANSFER COEFFICIENT RATIO VS. ALPHA (TRACE LINE A/B T/C.S) FIG. 31

220 PAGE) Ar-

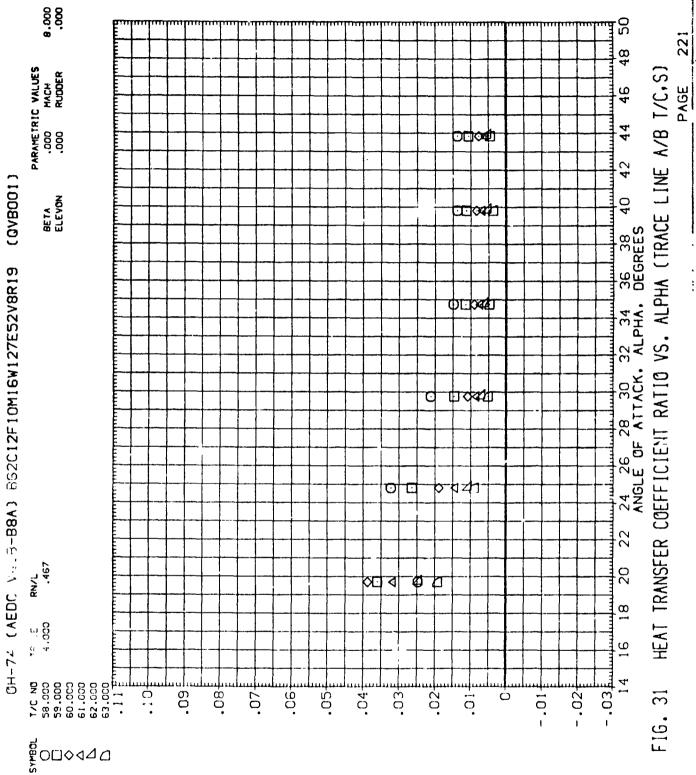


FIG. 31

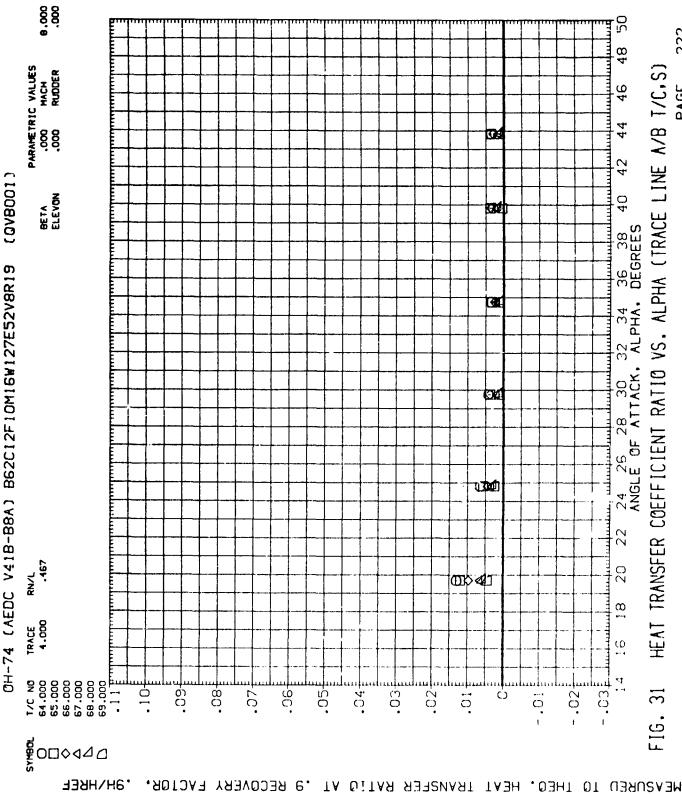
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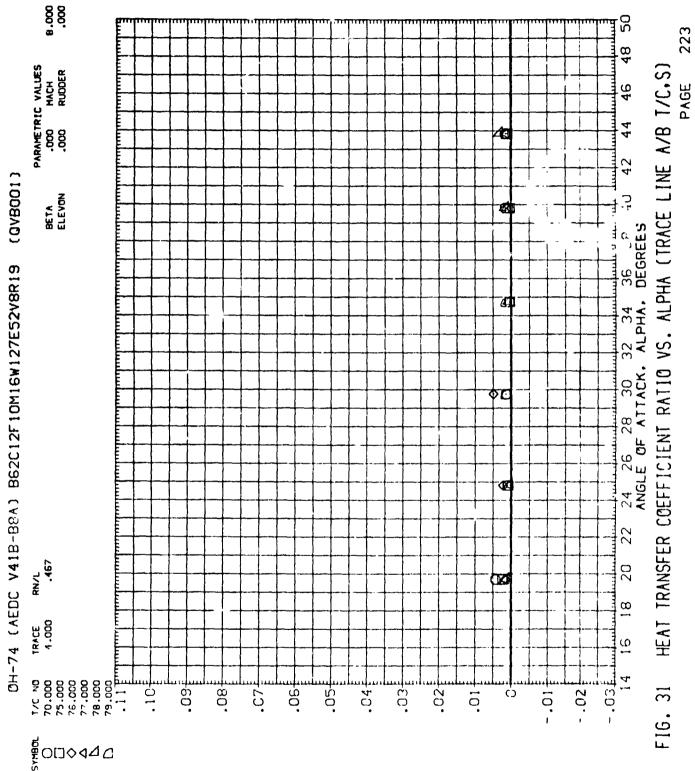
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222 HEAT TRANSFER COEFFICIENT RATIO VS. ALPHA (TRACE LINE A/B 1/C.S) FIG. 31

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.9H\HREF MEASURED TO THEO. HEAT TRANSFER RATIO AT .9 RECOVERY FACTOR.



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MEASURED TO THEO. HEAT TRANSFER RATIO AT .9 RECOVERY FACTOR.

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APPENDIX

TABULATED SOURCE DATA

Tabulations of plotted data are available on request from ${\tt Data}$ ${\tt Management}$ ${\tt Services}$

REPRODUCTS IN OF THE ORIGINAL PACE IS POUR

DATE 07	7 ok. 0		OH 4 (AEDC	OH-" - (AEDC V416-B8A)		DATA ON OR	HEATING DATA ON ORBITER FUSELAGE PORT	LAGE PORT S	SIDE			FAGE 1
				OH-74 (AE)	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	A) BG2C12F	10M16W127E!	52V8R19				(RV8001)
04817E	ORBITER FUSEL A'SE							PARAM	PARAMETRIC DATA			
					BETA	. 0000	МАСН	B.000	ELEVON .	0000.	RUCCER .	.0000
					1531***	***TEST CONDITIONS***	•••»					
RUN	MACH	ALPYA DEG.	8	10 0EG. R	PH:	YAW DES.	r DEG. R	P S	O PSIA	V FY/SEC	RHO SLUGS	MU 19-5EC
	7.880	19.71	84.30		0.081	.0000	97.70	1000-01	07.	3616.	.9112-05	70-2507.
7.58 7.38 7.38 7.38 7.38 7.38 7.38 7.38 7.3	RN/L X10 6 /FT .4666	MREF BTU/ R FT25EC .1553-C1	STN NO R= .0175									
					•	***TEST DATA***	:					
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NUMBER		ı :		R-0.9	R•1.0	R-TAM	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG R	DE G. R
•		00000		10-0021	0101	10-05	7165-04	1765-04	1 10 SEC.	1120	1.158	539.7
	0000	30000	2.0000 2	10-081	. 9600-02	1330-01	. 1829-03	. 1492-03	.2063-03	.9500-01	1.012	539.3
	1 0000	.32500	3.0000	-0860	-0008.	10-0011.	.1520-03	. 1235-03	1714-03	10-0067.	.8130	535.4
-	1.0000	.35000	4.0000 4.0000	. 9600-02 B600-02	50-0007	. 1080-01.	. 1330-03	.1384-03	.1500-03	10-0069.	.7280	535.7
	1.0000	00007	6.0000	-0066	.8100-02	1120-01	:537-03	. 1253-03	.1733-03	10-0008	.8230	539.2
	1 0000	142500	0000.7	10-0101.	.8200-62	10-0+11,	1565-03	. 1565-03	.1755-03	10-0018	1.023	538.9
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. –	1.0239	.5000	10.05	11730-01	1410-01	1950-01	.2687-03	.2191-03	.3030-03	1400	9.4.18	539.2
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	1.0000	55000	12.000	10-0505	10-00/1.	10-01-XE.	.4696-03	.3829-03	.5296-03	0442	2.475	539.9
	1.0023	06259.	14.000	10-0007	.3260-01	.4520-01	.6221-03	.5071-03	.7017-03	. 3230	3.275	540.4
. ,	1.0000	00002	15.000	.3120-01	.2540-01	.3520-01	.4843-03	.3949-03	.5462-03	.2520	2.464	539.8
••	1 0000	.75000	16.300	10-0541.	.1380-01	10-0161.	.2637-03	.2150-03	. 2973-03	.1370	1.396	559.3
	1.0000	.ecoo	17.000	10-0801.	.8600-02	1190-011	. 1644-03	1340-03	1855-03	10-00ca.	0000	339.3 536.4
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	2 5000	47800	25.000	10-00-2.	.2200-01	3050-01	.4198-03	.3424-03	.4734-03	.2180	2.440	538.9

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HEATING DATA ON ORBITER FUSELAGE PORT	
OH-74 (AEDC V418-88A)	
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NUMBER				R-0.9	R-1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEC. R	DEG. R
							FTZSEC	FTZSEC	FTZSEC	FTZSEC	/SEC	i
-	S.0000	£7000	23.000	.3970-01	. 3230-01	10-0811	.6164-03	.5025-03	.6953-03	. 3200	3.572	540.1
-		. 56:00	₩. 000	10-0124	3430-01	10-0574.	.6537-03	.5328-03	.7574-03	. 3390	3.696	146.0
-		. 55000	25.000	. 5100-01	10-0552-01	10-0055.	50-8184.	. 5968-U3	2455-05	0,00	701.	13.59 0
 .	2.3000	.67000	25.000	10-0061	1820-01	10-0691	.0260-03	50-1881	. 6663-03	0600-01	1.361	530.4
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		00000	30.056	30-03-03-	30-025-2	30-0013.	FO-0494	3081-03	5234-03	00.45	7.55	541.2
		20000	000.05	10-01-04	יני טיפו	10-0016	F0-0072	2705-03	786.B-03	1780	966	0.035
	3000 ×	25000	200 25	10-0122	0000	10-026	2718-03	22.16-03	20-49EE) CI	1.587	539.0
		00010	000 %	1370-03	10-041	10-0551	10 - 30 : U	1733-03	5395-03	0111	1.329	538.4
		20002	35.00	10-0611	9700-62	10-0-01	1842-03	1503-03	. 2076-03	9600-01	1.192	537.9
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		30058	37 230	1330-01	0-0-001	1500-01	.2067-03	1686-03	.2329-03	. 1080	1.254	537.9
		375.00	38.209	1430-01	11.50-01	16:0-01	.2218-03	1809-03	.2500-03	.1160	359	538.1
			000	10-04(6	1750-01	2420-01	3329-03	2716-03	3753-03	.1730	2.051	538.1
		0 (1)		.3050-01	10-06-2	3440-01	.4738-03	.3863-03	.5342-03	.2460	2.928	539.1
		10000		3580-01	. 29 20-01	.4030-01	.55 -03	.4532-03	.6258-03	.2890	3.310	539.3
•		GC3L4.	000 21	13-0468.	10-0128.	10-0544	25-03	.4993-03	.6907-03	.3180	3.551	539.9
		000	() () () ()	.4200-0.	3420-01	13-0574	. 0517-03	.5312-03	.7351-03	.3380	3.773	540.5
		C) 4 du	7	.3630-0:	.2950-01	4100-01	.5641-03	×599~03	.6362-03	. 2930	3.445	539.9
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, it	TRANE	×	1/C NO	H/HREF	H/HREF	H/HREF	P(910)	н(10)	HITAN	abot	DTWDT	Ŧ
ABENDA				· · ·	R=1.0	RoTAW	BTU/ R	BTU/ R	BTU, R	BTU/	DEG. R	DEG. R
							FTSSEC	FT255C	FT2SEC	FIZSEC	/SEC	
	4.0000	00054.	000 29	10-144.	10-0661	.2750-01	.3797-03	3094-03	. 4284-03	0.1970	≥.552	541.1
-	3000.	009041	67,700	. 192.	1570-01	.2170-01	.2988-03	. 2435-03	.3371-03	.1550	1.972	541.4 5
	4.1305	.50000	64.0.3	.1310-0.	1070-01	1480-01	.2040-03	.1663-03	.2302-03	. 1050	1.311	540.9
7	4 3000	.52500	65.000	1200-0.	9900-05	. (350-01	. 1859-03	.1515-03	.2097-03	.9600-01	1.194	5+0.9
-	- 0000°	.55000	66.000	:°C-7656	7800-02	1080-01	1641	.1215-03	, 1682-03	,7700-01	.9080	540.9
	4.0000	.60000	67,000	() () () ()	50-00Ec.	-	.1018-03	.B281-04	.1146-03	.5300-01	. 5950	0.0+0
	4.0000	.65000	.:: 13'89	3400-05	20-00 h	-00009.	.8313-04	40-8449	. 8375-04	.4300-01	.5080	978.0
	4.0000	. 70030	69.000	50-00+5°	3800-0 2	_	.6778-04	10-0200	10-8-01	.3500-01	0161.	539.7
	4.0000	. 75000	70.003	-45c3-02	3700-02	-	.6968-04	40-4866	1001-01	.3400-01	,40 8 0	538.0
-	4.0000	00008	75.000	.2500-02	. 20000-02	-	.3823-04	3118-04	40-01E4	.2000-01	.2400	538.7
-	۴.0000	.85000	76.000	.1700-02	-1400-05	-	.2604-04	.2125-04	.2935-04	1400-01	.1620	537.2
-	0000 4	.8750	200.77	.1600-02	.1300-02	.1850-02	.2458-04	.2005-04	+0-1775.	.1300-01	.1680	537.9
-	C000.	.9000	78.000	1300-02	.1100-02	. 1500-02	. 2021-04	1648-04	. 2278 · 04	1100-011.	.1370	538.1
-	4.0000	. 92500	79.000	-1900-02	20-0051	-2100-05	. 2920-04	.2382-04	.3292-04	1500-01	. 1890	539.0
	1000.4	.95000	000.00	1400-02	.1400-02	. 1500-02	. 2232-04	.1821-04	.2517-04	.1200-01	1370	539.7

				OH-74 (AE	C V418-99/	N 862C12F	OH-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	SZVBR19				(RVB001)
ORBITER	ORBITER FUSE, AGE							PARAME	PARAMETRIC DATA			
					BETA	.0000	HACH	■ 8.000	ELEVON -	0000	₽.000ER •	0000.
					••• 1ES	***TEST CONDITIONS***	s					
RUN	МАСН	ALPHA DEG.	o ÷	70 DEG. R	PH1 050	YAH DEG.	↑ DE0. R	р 4129	o ¥isa	V FT/SEC	RHO SLUGS	FU LB-SEC
∩	7.880	24.83	63.40	1177.	180.0	. 0000	87.70	-000 0 .	0604.	3616.	50-6005	.7062-07
RUN NCHBER	RN/L X10 6 /FT .4613	HREF BTU/ R FT25EC .1545-01	STN NO R= .0175									
					:	***TEST DATA***	:					
<u>3</u>	TRACE	1/x	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(TC)	H(TAM)	1000	DTMDT	3
NUMBER	!	1	•	R=0.9	R=1.0	R-TAH	91U/ R	BTU/ R	BTU/ R	910/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FT2SEC	FT2SEC	235/	
n,	1.0000	.27500	1.0000	.1150-01	50-00+6.	1300-01	.1782-03	.1452-03	50-1:05.	10-0026.	.9560	545
nu n	00000	35535.	₹. 0000 ₩ 0000	13-0-11: 50-0-58	60-005E	9500-02	50-5151	. 1070-03	1482-03	.6800-01	7000	
ויה ני	0000.1	.35000		10-020:	.877 02	.1150-01	1580-03	.1298-03	.1783-03	.8200-01	.8500	541.2
N	1.0099	.37500	5.0000	. 9800-02	.8000-02	11110-01	.1516-03	.1235 93	1710-03	.7800-01	.8250	541.7
N.	1.0000	00004.	6.0000	10-0811.	.9600-02	. 1330-01	.1816-03	148	.2049-03	10-00-6	.9570	# ! # i
Λı	1 0000	,42500	7500 6	10-0841.	1210-01	.1670-01	. 2291-03	. 1867-03	2585-03	611.	1.232	541.3
വ -	1 0000	300S+.	9 9030	.20:3-01	10-0-01.	10-0/22	.3:07-03	. 0 - 50 C 5 .	. 3505-03	0.091	1,55	
nı r		5 C C C C C C C C C C C C C C C C C C C	0000 6	ימיימישל	10-0861	10-0567	3745-03	3052-03	. 50-55-03	0.00	1.966	541.5
N C	1000	ייים אל היה אל א) (C)	10-05+E	10-0482	39+0-01	5392-03	.4393-03	.6083-03	C875.	658.2	541.8
ın	0000) () () () () ()	300.5:	.3500-01	.2850-01	3950-01	5409-03	.4044	.6639	.2800	2.812	541.6
J 0.	1.0000	00009	13.000	.22:0-01	1800-01	. 2500-01	.3418-03	.2785-03	.3857-03	0771.	1.795	541.5
. س	1.9030	.65000	000.4	.1330-01	1090-01	10-0051.	.2051-03	.1672-03	.2314-03	. 1063	1.079	540.7
, n.	1 0000	00001.	15.090	50-0048.	.6800-02	.9400-02	. 1293-03	1054-03	.1459-03	.6709-01	.6570	540.3
, UI	1.0530	36337	:5.000	1170-01	.9500-02	10-0251.	. 1803-03	.1470-03	.2033-03	.2-00%	952c	539.3
. 11	3000 4	\$000B	:7.000	4909-02	50-0004.	.5500-02	.7568-04	.6170-04	.8535-04	.3900-01	. 3810	543.0
Ω.	0000	20295	18.000	1.1250-01	1050-01	1450-01	.1984-03	.1617-03	.2239-03	.1030	902 ;	υ.
ı nı	2000	33700	600.6	:318-01	10-05617	1480-01	. 2029-03	.1653-03	_0-6855.	.:050	1.239	٠. خ
· No		39000	20 000	10-0061.	1550-01	10-0415.	.2934-03	.2390-03	.3310-03	. 1520	52.7.1	541.8
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n	וייניי			0-1	10-0957	10-0/25.	クローソンナナ・	50-5-65	50-7-03.			9

DATE 07	7 د. گ		OH-74 (AEDO	OH-74 (AEDC V418-88A)		ATA ON ORE	ITER FUSEL	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	305			PACE	10
				0H-74 (AED	C V418-B8/	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	0M16W127E9	2V8R19				(RVB001)	_
2	1. 4	*	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	н(10)	H(TAH)	000	DTHDT	¥	
NUMBER	:			R=0 9	R-1.0	R-TAW	BTU/ R	BTU/ R	810/ R	BTU/	DEG. R	DEG. R	
		- 1			6	6	FIZSEC	7714-03	1725EC	1 45EC	יאר כ מיזי	C. C. C.	
n	29000 e	53000	23.00	. 26-30-01 . 555 n ;	10-0615.	1750-01	50-8004	.1963-03	.2718-03	551.	1.358	041.3 041.3	
บก	מספים מ	. α	95.000	10-0-01	8300-02	1150-01	. 569-03	.1278-03	1770-03	.0100-01	.8850	541.2	
uΛ	2000	1 1	26.000	20-009h	3800-05	. 5200-02	.7161-04	.5838-04	.8077-04	.3700-01	.4050	540.1	
. ~	2000.5	,70500	27.000	50-0054.	.3700-02	.5100-02	.700S-04	.5712-04	.7900-04	.3600-01	.3930	539.5	
ı (U	3000.€	.75000	28 37.3	.5000-02	50-00:4.	.5600-02	.7689-04	.6270-04	.8670-04	.4000-01	0034.	539.1	
ı cu	000	.80000		.3900-02	.3100-02	.4300-D2	.5829-04	4753-94	.6573-04	.3000-01	.3350	539.1	
· N	2.0000	.82400	30.000	.6000-03	.5100-03	.7000-03	50-490ù.	.7392-05	.1022-04	.5000-02	.6600-01	539.1	
5		. 20000	31.000	.2930-01	10-067	.3310-01	.4526-03	.3687-03	.5108-03	0340	484.U	5.0.4	
ď	3 0000	.22500	32.000	.2330-01	10-0061.	. 2630-01	.3596-03	. 2929-03	.4057-03	.1860	2.00t	1,040	
N		. 25000	33.000	10-0981.	.1520-01	.2100-01	.2877-03	. 2344-03	. 3247-03	06*1.	900.1	מייים	
٩		.27500	34.000	10-041.	13-00-01	. 1660-61	.2273-03	. 1851-03	. 2564-03	1180	0.4.10	D. 1. 0	
٩		.3000	35 000	.1310-01	10-5561.	10-0841.	.2020-03	.1646-03	50-6755.	.1050	1.295	941.8	
ſι		.32500	35.000	. 1450-01	10-0811.	.1630-01	.2237-03	. 1822-03	. 2524-03	.1150	905.1	0.4.1. 0.0.1.1	
n.		.35000	37.300	10-0691	1330-01	10-0161.	.2617-03	.2132-03	. 2953-03	.1350	1,573	טילה. מיקיים	
٨ı	3.0000	37500	38.000	.2630-01	10-0+12.	.2960-01	.4055-03	3304-03	.4576-03	.2100	2.462		
ď		00004.	OC (₹1	10-0308.	.2500-01	3450-01	.4733-03	. 3855-03	.5340-03	. 2450	2.883	346.0	
വ	3,0000	. 42500	£0.000	348,-01	.2820-01	3900-01	.5343-03	.4351-03	.6030-03	.2760	3.27.	טילין טיקיין	
N	3 020	.45000	000.14	.3110-01	.2530-01	.3510-01	.4831-03	. 391!-03	. 5418-03	.2480	2.838 	u i	
Λı		JE 3C 4.	42.003	.2565-01	10-0602	10-0682.	.3952-03	, 3228-03	.4470-03	.2050	2.287	541.7	•
ď	3.0000	.50010	3.00€	.1850-01	15:0-01	.2090-01	.2859-03	.2330-03	. 3226-03	0841.	1.650	541.8	
ď		.52500	D00 ++	12-2-21	10-0851	1430-01	. 1955-03	.1593-03	.2205-03	0101.	1.190	541 0 141 0 1	
u	Ο.	.55000	45.000	1050-01	.8500-02	1195-01	. 1524-03	.1323-03	1832-03	10-0048	9390	0.148	
ı nu		. 60000	H6 900	.7303-02	.6000-02	.8300-C2	.::35-03	.9253-04	.1280-03	17-0065.	.6410	7.07G	
N		.65000	C00 L*	.6000-02	- 4900 h	.6700-02	.9217-04	40-4156.	.1039-03	.4800-01	.5390	540.0	
N		00007.	300 B#	S0-0654.	50-00/5.	.5100-02	9959-04	.5675-04	7847-04	.3500-01	0034.	539.4	
ſ.	3.0000	20057.	000 65	3100-05	.2500-02	.3500-02	70-8864	+0-098E	5336-04	.2500-01	.2680	0.855	
٠,	3.0000	30008.	50.000	.2 200- 00	.1809-02	. 2500-02	.3459-04	.2820-04	,3930-04	16-008;	1950	0.885	
ſω		.8500C	51.000	2000-03	.3000-03	£0-000m.	30-2284	. 3941-05	.5451-05	.3000-02	10-00:5.	539.B	
'n		.87500	52.000	5~-00 ~2 .	-1900-02	.2700-02	10-01GF:	.2958-04	40-5014.	13-0351	0462.	0.00	
N		06006.	53.000	.2300-02	1900-05	.26°°-02	.3613-04	-0-6-62	+0-926+	1920-01	. 2520 3. 00	7. 4. 2. 4. 1. 4. 1. 4.	
~	•	.92500	54.000	-2400-05	. 1960-02	.2700-02	.3537-04	+D-+962.	F0-8015.	13-0061.	CB+4.	0.040	
ı nı		.95000	55.030	50-0CB1.	.1500-02	50-00:5.	.28°9-04	. 2298 - በ <u></u>	.3180-04	. 1500-01	1490	540.1	
٠ ٨.		00002	71.000	.3500-01	.2821-0.	. 3950-01	.5402-03	£0-0044.	.6095-03	. 2790	3.195	0.546	
יח ו	0000 *	.22500	72.000	10-0075.	.2200-01	.3050-0:	.4175-03	3404-03	E0-1124.	.2160	2.542	5 5	
· ~		.25000	73.000	10-0632.	12-0071.	10-0355.	.3230-03	. 263: -03	.3545-03	.1670	1 961	ם. היים יים	
۵	5000 *	.27500	74.000	10-000.	10-02-11	10-0-02.	.2757-03	.2270-03	.3146-03	07.	1.784	745.	
٥	4 0000	30000	55 000	1930-01	1490-01	10-0402.	.2826-03	.2301-03	.3133-03	1460	1.916	ָ װְ װְ װְ	
~	4 0000	.32500	57.000	10-0442.	10-0661.	.2750-01	.3770-03	.3070-03	. 4255-03	0451.	6.55	045.0	
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∩		.37500	59.000	10-0492.	.2150-01	10-0862.	.4082-03	3334-03	50-8095.	0 1 1 1	907.	343.0	
€	0000	00004	60.009	1880-01	.1530-01	.2130-01	59-9085.	1204-03	. 3c83-03	0 0	n 65		
ď		.4255.0	61.000	1430-01	.1160-0	. 1610-01	. 2203-03	CO-48/ 1 .	ים בסבר כי) -)	1	

RT SIDE	
OH-74 (AEDC V418-BBA) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19
27 TS	

TRAILE X.L 1/C NO	DATE 07 OCT 75		0H-74 (AEDC	OH-74 (AEOC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT	HEAT ING	DATA ON OR	BITER FUSEI		SIDE			PAGE: 6
X/L T/C NO H/HREF H/HREF <th></th> <th></th> <th></th> <th>0H-74 (AE</th> <th>OC V418-B8/</th> <th>A) B62C12F</th> <th>10M16W127E</th> <th>52VBR19</th> <th></th> <th></th> <th></th> <th>(RVB001)</th>				0H-74 (AE	OC V418-B8/	A) B62C12F	10M16W127E	52VBR19				(RVB001)
FF2500 62.000 1.050-01 8500-02 1.180-01 1.181-03 1.17-03 1.191-03 1.191-03 1.101-03 1.191-03 1	TRAVE	x/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAM)	1000	DIMOT	₹
45000 62.000 1.050-01 1.8500-02 1.180-01 1.181-03 1.181-03 1.894-03 94900-01 1.084-03 47500 63.000 9000-02 7300-02 1.010-01 1.183-03 1.561-03 7200-01 9120 55000 64.000 5600-02 5400-02 7500-02 1.027-03 8355-04 1.158-03 7500-01 6590 55000 65.000 7400-02 7500-02 5600-02 5600-02 7500-01 7530-01 1.039 65.000 7400-02 7500-02 7500-02 7500-02 7500-02 7500-02 7500-02 7500-02 7500-01 7500				R=0.9	R•1.0	R-TAW	BTU/ R FT2SEC	BTU/ R	BTU/ R FT2SEC	BTU/ FT2SEC	DEG. R	05G. R
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65000 67.000 3400-02 3800-02 3890-02 4242-04 5871-04 2700-01 3840 65000 68.000 2800-02 2300-02 3294-04 3581-04 4955-04 2300-01 2600 75000 69.000 2500-02 2800-02 3797-04 3096-04 4955-04 2300-01 2600 75000 80.000-03 7000-03 1200-02 2800-02 1631-04 1936-04 1935-04 2000-01 2600-01 75000 80.000-03 1200-02 1591-04 1836-04 1935-04 1008-02 7400-01 75000 1000-02 18000-03 18000-03 18000-03 18000-02 18000-03	. 0000	.55000	66.000	20-0044	.3500-02	.5000-02	.6792-04	.5535-04	.7662-04	.3500-01	.4130	541.1
65.000 68.000 2800-02 3200-02 4394-04 3581-04 4955-04 2300-01 28-00 7.000 69.000 2500-02 2000-02 3797-04 3096-04 4283-04 2000-01 26 7.000 8000-03 7000-03 1873-04 1038-04 1038-04 7000-02 7400-01 80000 75,000 1000-02 18000-03 12000-02 2581-04 1794-04 1000-02 7400-01 9500 75,000 2300-02 2600-02 3581-04 1794-04 1000-02 7000-01 75,000 1000-02 1900-02 2500-02 3581-04 1794-04 1000-02 1000-01 75,000 5000-03 4000-03 5000-03 7860-03 7865-05 8869-05 4000-03 5000-01 9500 79,000 8001-03 4000-03 1000-03 1000-03 1000-02 1309-04 1046-04 1445-04 5000-01 9500 79,000 8001-03 1000-03 1000-03	0000.+	.60000	67.000	.3400-02	50-00 <i>L</i> e.	.3800-02	.5205-04	40-2424.	-5871-04	.2700-01	.3040	540.5
75000 69.000 2500-02 2000-03 1273-04 3096-04 4283-04 2000-01 26 75000 70.000 8000-03 7000-03 1273-04 1038-04 1435-04 7000-02 7400-01 80000 75.000 1000-02 8000-03 1200-02 1591-04 1794-04 1900-01 7400-01 95000 75.000 2300-02 2600-03 7860-02 3581-04 1907-04 1900-01 2700-00 77.000 5000-03 4000-03 5000-03 7900-03	0000.+	.65000	69.000	-2900-05	.2300-02	.3200-02	4394-04	.3581-04	40-5564.	.2300-01	.2690	540.3
75.000 70.000 8000-03 70000-03 1200-02 1591-04 1038-04 11435-04 7000-02 7400-01 1000-00 75.000 1000-02 8000-03 1200-02 1591-04 1297-04 1794-04 1000-02 10000-00 1200-00 1290-01 1290-0	0000.	00007.	69.000	.2500-02	.2000-02	.2800-02	.3797-04	.3096-04	.4283-04	.2000-01	. 35.	540.1
9500 75.00 1000-02 1900-03 1200-02 1591-04 1297-04 1497-04 8000-03 10004-00	• . 0000	.75000	70.000	.8000-03	.7000-03	.9000-03	.1273-04	.1038-04	. 1435-04	.7000-02	.7400-01	539.4
85000 75.000 .2300-02 .1900-03 .2600-03 .7866-05 .8415-05 .8689-05 .4000-01 .2500-01 .2500-01 .2500-01 .2500-01 .2500-01 .2500-03 .4000-03 .6000-03 .7478-05 .6415-05 .8430-05 .4000-03 .4000-03 .5000-03 .5000-03 .5000-03 .5000-03 .5000-03 .5000-03 .5000-03 .5000-03 .25000-03 .25500 .25000-03 .25500 .25000-03 .25500 .25000-03 .25500 .25000-03 .25500 .25000-03 .25500 .25000-03 .25500 .25000-03 .25500 .25000-03 .25500 .25000-03 .25000-03 .25500 .25000-03 .25000-03 .25000-03 .25500 .25000-03 .25000-03 .25000-03 .25000-03 .25000-03 .25000-03 .25000-03 .25000-03 .25000-03 .25000 .25000-03 .25000-03 .25000-03 .25000-03 .25000-03 .25000-04 .25000-04 .25000-04 .25000-03 .25000-03 .25000-04 .25000-	4.0000	.80000	75.000	.1000-02	.8000-03	.1200-02	.1591-04	.1297-04	10-1661.	.8000-02	.1000+00	539.8
37500 77.000 5000-03 4000-03 5000-03 7866-05 6415-05 8869-05 4000-05 5000-01 5000-03 5000-03 5000-03 7478-05 6553-05 8833-05 4000-03 5	3306.4	85000	76.000	.2300-02	. 1900-02	. 2600- 02	.3581-04	.2922-04	40-7E04	10-0061.	. 2220	538.1)
. 90000 78.000 . 5000-03 .4000-03 .5000-03 .7478-05 .6553-05 .8433-05 .4000-02 .5000-01 . 50000-03 . 500000-03 . 500000-03 . 500000-03 . 50000-	4 0000	37500	77.020	.5000-03	.4000-03	.6000-03	.7856-05	.6415-05	.8869-05	50-000h.	10-0045.	539.1
13-0008. 50-0007. +3-3+41. +4-3+31. +4-3+31. 58-5-000. 53-04. +3000-03. 8300-01. 50-0001. 50-0007. +3-3+11. +4-3+311. +40-003. 1300-03. 13	0000 +	00006.	78.000	.5000-03	.4000-03	.5000-03	.7478-05	.6058-05	.8433-P5	50-000h.	.5000-01	539.5
10-0008. 50-0007, *0-77+1, *0-8001, *0-9051, 50-0001, £0-0007, £0-0018, 600,088 00629, (0000.+	.92500	79.000	.8001-03	.7000-03	.9000-03	.:282-04	1048-04	11446-04	.7000-02	.8300-01	538.8
	0000.+	.95000	C00.08	.9300-03	.7000-03	.1000-02	1309-04	1058-04	.1477-04	50-0007.	.8000-01	539.5

(PVB001) MU -8-SEC /FT2 7062-07 PAGE RUDOER 9055-05 8LUGS /FT3 FT/SEC PARAMETRIC DATA 0.13. CH-74 (AEDC V418-BBA) HEATING DATA ON ORBITER FUSELAGE PORT SIDE **■** 8.000 9000-02 <u>₹</u> OH-74 (AEDC V418-88A) B62C12F10M16H127E52V8R19 ¥ĊH DEG. 87.70 ***TEST CONDITIONS*** .0000 YAH DEG. 0000 **BETA** ₩. 83 180.0 DEG. R 5 1177. 83.80 ALPHA DEG. 29.77 ORBITER FUSE, AGE MACH DATE 07 3CT 75 7.880 RUN NUMBER

TEST DATA H/HREF 1/C NO ž TRACE

5953-01

STN NO .0175

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BTU/ R 1549-01 FT2SEC

X10 6

RUN NUMBER

/FT .4637

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542.1 F2.3 9,546 0.143 5,39.7 1.0.1 1.480 1.713 1.863 2.133 2.272 1.688 1.366 .8810 .7470 .5560 .4370 .9300-01 .8600-01 .9300-01 .8700-01 .5700-01 .4300-01 0001 BTU/ FT2SEC .1090 .2240 0441. .1550 .1670 H(TAM) BTU/ R FT2SEC .2383-03 .1886-03 .2022-03 .2099-03 .3143-03 .3610-03 .3980-03 .2966-03 .1895-03 .1235-03 .9376-04 .4024-04 3672-03 .2036-03 4897-03 3639-03 2487-03 H(TO) BTU/ R FT2SEC .1720-03 .2605-03 .2605-03 .2626-03 .2142-03 .1368-03 .8928-04 .6773-04 .3202-03 .1362-03 .1460-03 .1515-03 .3304-03 .3534-03 .1160-03 1917-03 H(910) BTU/ R FT2SEC .2785-03 .3199-03 .3527-03 .1095-03 .8311-0 . 3224-03 .1792-03 .1671-03 1860-03 .1679-03 . 1804-03 4339-03 .1423-03 3558-04 4325-03 2354-03 .2204-03 .3150-01 .3150-01 .3350-01 .1920-01 .1023-02 .50000-05 .1310-01 .1360-01 .2030-01 .2330-01 .1310-01 .2600-02 .1610-01 H/HREF R-TAM 0-0-61 10-02/1. .3150-01 .9400-02 .9800-02 .1470-01 .1680-01 .2280-01 .1700-01 .1380-01 .8800-02 .7500-02 .5800-02 .4400-02 .1900-02 .9500-02 .1110-01 .2070-01 1150-01 2270-01 8-1.0 .2620-01 .2800-01 .2080-01 .1090-01 .9200-05 .7103-05 .5400-05 .2300-05 .1360-01 .2070-01 1160-01 . 1200-01 .2280-01 14-00-01 13.000 14.000 15.000 16.000 17.000 119.000 20.000 22.000 30000 30000 33500 33500 33500 42500 42500 55000 55000 55000 65000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1 RUN NUMBER

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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATE 07	7 OCT 75		OH-74 (AED	OH-74 (AEDC V418-88A)	HEATING D	HEATING DATA ON ORBITER FUSELAGE PORT	II TER FUSEL		3015			FAGE 8	8
				0H-74 1AEE	X V*18-89	04-74 (AEDC V418-88A) 862C12F10H16W127E52V8R19	OM16W127E	52VBR19				(RVB001)	~
RCN CHBER	TRATE	איר	1/C NO	M/HKEF R=0.9	4/HREF R=1.0	H/HREF R-TAH	H(910) BTU/ R	HCTQ1 BTU/ R	HITAH: BTU/ R	BTU/	OTWOT DEG. R	1H CEG. R	
~	0000	0005	000 20	10-0201	8700-02	.1210-01	F125EC	.1348-03	. 1868-03	.8600-01	.9530	542.7	
n M		.56700	24.000	10-0101	.8300-02	1150-01	.1572-03	. 1280-03	.1773-03	.8100-01	0489.	542.3	
M	P. F.390	.62000	25.000	.7300-02	. 6000-02	.8300-02	.1133-03	.9232-04	. 1278-03	.5900-01	.6380	541.6	
m	2.3000	.67000	26.000	. 7800-02	.6300-02	.8800-02	.1206-03	, 9832-04	.1360-03	.6300-01	.6820	539.7	
м	2.0000	.70500	27.000	.7800-02	.6300-02	. 9900-02	.1203-03	.9812-04	.1357-03	.6300-01	.6750	529.4	
m	≥.0000	. 75000	28.000	.3800-02	.3100-02	. 4300-02	.5957-04	. 4858-04	.6717-04	.3100-01	3410	5.9.6	
m	2.0000	. 80303	29.000	.2200-02	. 1800-02	. 2500-02	.3388-04	.2762-04	.3820-04	1800-01	. 1950	1.630	
M	€.0000	.82400	30.000	. 1000-03	.1000-03	.1000-03	. 1379-05	. 1125-05	.1555-05	. 1000-02	10000-01	1.950	
m	3,0009	.20000	31.000	.2880-01	.2340-01	.3250-01	.4452-03	.3625-03	5026-03	0085.	r. 458	543.4	
m	3.0000	.22500	32.000	.2380-01	10-0-61	.2680-01	.3582-03	50-6655.	50-9514.	0061.	ת.ומם האני-	040.5 Fr. 7	
M	3.0000	. 25000	33.000	1960-01	1620-01	10-0122	. 50.58~03 0.61	2006-03	50-00CC	0761		י ת י ת	
m	3.0000	.27500	34.000	10-0561.	1300-01	10-00-1	50-1010	50-5002.	£0-2672.	1130	1 0 1	542.0	
M 1	3.0006	33500	35.000	10-0241	10-0511	10-0001	. 2516-03	2049-03	.2839-03	. 1 300	1.525	542.8	
a 6	3.0000	25000	30.000	2450-01	10-0561	.2750-01	.3790-03	.3086-03	.4278-03	1960	2.271	543.2	
n r	0000	37500	39.000	.3150-01	.2560-01	.3560-01	.4877-03	.3971-03	.5505-03	.2520	2.950	543.6	
۸ ۱	0000	00005	39.000	.2030-01	1660-01	.2300-01	.3150-03	.2565-03	.3555-03	.1630	1.9:7		,
) M1	3.0000	42500	\$0.000 \$	10-0-61.	1580-01	10-0612.	.3007-03	.2449-03	.3395-03	. 1550	1.839		
•	3 0000	60054.	41.000	10-0951.	10-0751.	.1760-01	.2421-03	. 1971-03	.2732-03	. 1250	1.429		 _ •
M	3,0000	.47500	42.000	.1250-01	10-0201	14:0-01	.1932-03	.1574-03	.2181-03	1000+00			<u>1</u>
m	3.0000	.50000	43.000	10-0201.	.8400-02	1160-01	.1593-03	. 1298-03	1798-03	. 8200-01	.9170		M
m	3.0000	.52500	44.000	. 7800-02	.6300-02	-0088 .	. 1207-03	.9832-04	. 1362-03	.6200-01	.7330		À١
M	3.0000	.55000	45.000	.6 900-02	.5700-02	.7800-02	. 1074-03	.9749-04	.1212-03	10-0095	. 6200		Γ,
m	3.0000	.60000	46.000	5300-08	. 4300-05	.6000-0≥	. 8190-04	. 6674-04	9239-04	10-00%	0 0 0	_	Ρ.
m	3.0000 1	.65000	47.800	#0-0011.	20-009K	4900-05	-0-E910	10-N-06	7687-04	10-0001	97.4		الار
m	3,0000	. 70000	000.■	30-00 8	#0-00E#.	30-00 R	10-00ar.	30-00-10 .	40-9294	10-0022			1
m	0000 F	. 75000	49.000	. 2000-02	. 1600-02	. 2300-02	30-71-04	+0-61GE.	- 10E	10-0001.	7.00	0.95.0	ננ
m	0	00008.	20.000	50-0006	. 7000-03	. 1000-02	1371-04	+0-8111.	*0-9*CI	30-00n/ ·	0-00//		ر.
m i	3.000	00058.	500.15	. 1700-06	. 1400-02-	. 2000-0-	. 2030-04	-0-6613.		20-000-02	2400-01	539.7	-
n ,	3.000	00000	000. Mg	£0-000%	F0-000E	F0-0004	5302-05	.4322-05	.5980-05	3000-05	.3800-01	543.0	
n r	מכונם א	95335.	000	5000-03	£0-000h.	.5000-03	.7535-05	.6224-05	.8512-05	50-000h.	.5200-01	543.1	
, 64	0000 ¥	.95000	55.000	2000-03	- 20000-03 -	20CC-03 -	. 3237-05	2639-05	. 3551-05	2000-02	1700-01	539.8	
) PT	•	20000	71.000	.3450-01	.2910-01	:0-068£	.5339-03	.4345-03	.6027-03	.2750	1 ± 1 · M	54.4.3	
M	0000	. 22500	72.003	.2520-01	.2140-01	.2960-01	.4061-03	.3307-03	.4583-03	.2100	2.458	543.3	
М	4.2000	.25000	73,000	.2150-01	11750-01	.2430-01	.3330~03	.2711-03	.3758-03	.1720	2.016	543.1	
M	6000 1	.27500	74 600	10-0881.	10-0251.	.2120-01	.2907-03	.2367-03	.3282-03	.1500	1.854	543.9	
M	CCCO. *	30000	56.000	10-0861.	1310-01	. 2240-01	.3068-03	.2498-03	3404-03	0851.	6.073	9.5.6	
M	0000.4	32500	57,000	.3-0+92	.2150-01	. 2983-01	.4086-03	,3326-03	.4613-03	2119	יי. קייני פייני	0.4.5.0	
m	g 10°4	.35000	59,000	10-0215.	1720-01	. 2390-01	,3279-03	.2669-03	3701-03	0691	. c.c.	D 4 3	
m	Ġ.	.37500	59.000	1470-01	1200-01	10-0301	. ee 75-03	50-055;	50-8005.	10-0028	650.) - : - : : : : : : : : : : : : : : : : :	
m i	0000	00004.	60.000	10-0801.	20-00BB.	0-0621.	1293-03	. 1053-03	1460-03	.6700-01	.8750	543.1	
M	8	. 42500	010.10	はつこつのより・	10-000	,	1	1					

DATE 0	DATE 07 GCT 75		0H-74 (AED)	0H-74 (AEDC V41B-88A)		DATA ON OR	HEATING DATA OF ORBITER FUSELAGE PORT	LAGE PORT	SIDE			PAGE 9	
				OH-74 (AE)	04-74 (AEDC V41B-88A) 862C12F10M16W127E52V9R19	A) 862C12F	3751W31M01	52VBR19				(RVB001)	
ď.	7 R •	۲/×	1/C NO	H/HPEF	H/HREF	H/HREF	H(910)	H(10)	H(TAM)	1000	DTWDT	፤	
NUMBER				6 0#2	R=1.0	R-TAW	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R	
							FT2SEC	FT2SEC	FT2SEC	FT2SEC	7.SEC		
м	3000 €	45000	62 000	.683 02	.5600-02	. 7700-02	.1056-03	.8501-04	.1192-03	.5500-01	2707.	545.8	
m	4.0000	.47500	63.000	.5300-02	50-05h.	.6000-02	.8258-04	.6702-04	.9286-04	.4300-01	.5420	542.5	
M	4.1300	.50000	64.000	£2-00 2+ .	3400-05	S0-3074.	.6459-04	.5262-04	.7288-04	.3300-01	0515.	542.0	
٣	4.J035	. 52500	65.000	€J-067€.	.3000-02	50-0014.	.5679-04	,4627-04	.6408-04	.2900-01	.3640	541.7	
M	4.0000	.55000	66.000	.3700-02	. 3000-02	50-005t.	+0-6445.	40-60L4.	+0-0259.	.3000-0;	.3520	541.2	
m	4.0000	.60000	67.030	-000a.	. 1600-02	.2300-02	.3122-04	. 2544-04	.3521-04	.1600-01	.1830	540.6	
m	4.0000	.65000	68.000	.1100-02	.9000-03	.1300-02	.1771-04	1443-04	.1997-04	-9000.	. 1080	5+0.3	
m	4.0000	.70000	69.030	.1100-02	.9000-03	. 1200-02	.1629-04	. 1328-04	.1838-04	-00008.	10-0046	540.3	
M	4.0000	.75030	70.000	-1400-02	.1100~02	.1500-02	.2127-04	.1734-04	.239B-04	.1100-01	0421.	539.2	
м	4.0000	.80000	75.000	1000-03	1000-031300-031000-031691-051379-051907-051000-02	1000-03	-,1691-05	-,1379-05	1907-05	1000-02	-,1100-01	539.8	
м	4.0000	.85000	76.000	5100-02	50-001 h.	5700-05	.5700-02 .7852-04	.6403-04	.8855-04	10-0014	.4850	539.4	
м	4.0000	.87500	77.000	-,1000-03	-,:000-031000-031221-059961-061377-051000-028000-02	1000-03	1221-05	9961-06	-,1377-05	1000-02	-,8000-02	539.0	
m	4.0000	00006.	78.000	1000-03	. 0000	-,1000-03	-,1000-03 -,9179-06 -,7485-06 -,1035-05	-,7485-05	1035-05	. 0000	6000-02	539.4	
M	4.0003	. 92500	79.000	. 1600-02	.1300-02	. 1806-02	.2458-04	.2005-04	.2772-04	.1300-0	. 1590	539.4	
m	4.0000	.95000	80.000	.0000	.000	.0000	4265-06	4265-063478-0648!0-05	48:0-05	0000.	3000-02	539.4	

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OATE 07	0ATF 07 OCT 75	J	OH-74 (AEDC V418-88A)	V418-88A)	HEATING D	ATA ON ORB	HEATING DATA ON ORBITER FUSELAGE PORT	AGE PORT S	SIDE			PAGE 10
				OH-74 (AED	OH-74 (AEDC V4:8-88A) 862C12F10M16M127E52V8R19	.) B62C12F1	0M16W127E5	2VBR19				(RV8001)
0A811£R	ORBITER FUSE, AGE							PARAME	PARAMETRIC DATA			
•					BETA	0000	HACH	8.000	ELEVON .	. 0000	RUDDER .	0000.
					1531	***TEST CONDITIONS***	•					
RUN NUMBER	MACH	ALPHA DEG.	PO PS1A	10 0EG. R	PH1 0£6.	YAW DEG.	↑ 0£6. R	P PSIA	0 PS1A	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /F12
ŧ	7.880	34.76	₹ .30	1177.	0.081	. 0000	07.70	.1000-01	0+1+.	3516.	.9113-05	.7062-07
RGN NUMBER	RN/L X10 6 /FT .4667	HREF BTU/ R FT2SEC .1554-01	STN NO R* .0175									
					•	*** TEST DATA***	:					
ā	1000	1/*	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAW)	0001	DTMDT	# C
NUMBER		1		R=0.9	R-1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/ FT2SEC	υξυ. π /SΕC	
	;	i i		1550-01	1260-01	1750-01	. 2406-03	. 1959-03	.2715-03	1240	1.289	542.7
3 3	1.0000	30000	2.0000 2.0000	1250-01	.10-0501.	1420-01	. 1948-03	.1587-03	.2199-03	.1010	1.069	542.5 542.5
• •	1.0000	. 32500	3.0000	.1030-01	-0-060°	1170-01	. 1604-03	.1587-03	50-0181. 2199-03	.1010	3.045	542.2
.	1.0000	35000	4,0000 5,0000	16-06-51.	. 1360-01	10-0681.	. 2599-03	.2116-03	. 2933-03	.1340	1.4.1	542.3
. ,	1.9000	00004	6.0000	.2200-01	10-0641.	10-0845.	.3418-03	. 2783-03	3857-03	1770	218.1 1.489	540.9 540.9
.	1,0909	142500	7.0000	1790-01	10-057	.2830-01	.3892-03	.3170-03	.4392-03	.2010	2.056	542.6
	1.0000	00004.	9.000	.2130-01	.1730-01	.2400-01	.3306-03	.2693-03	.3732-03	1710	1.738	540.3
	1.0000	50000	:0.000	.1539-01	1240-01	1720-01	.2369-03	.1930-03	3040-03	1390	1.412	542.2
t	1.0000	. 505500 000000	000.::	1730-01	1170-01	1630-01	.2239-03	1824-03	. 2526-03	.1160	1.165	541.7
э :	1.0000	55000	000.81	50-C026	.7500-02	.1030-01	.1425-03	.1161-03	.1607-03	10-0042	7480	7.1.T
7 2	0000	יים היים היים היים היים היים היים היים ה	000.41	50-0056.	.7500-02	10-0401.	. 1434-03	.1169-03	.1618-03	7400-01	.75'+0	0.41.0
t t	0000	0000	15.000	.6300-02	5100-02	.7100-02	.9713-04	₩0-816L.	. 1096-03	.5000-01	0,464	7.040
- يو	1 0000	75000	15.000	-000h.	. 3200-02	500-05h.	-0-1619°	-5248-0 1	*0-2869.	. 2006.	0500	7 20 7
• •		.80000	17.000	. 1500-02	. 1200-02	50-001.	.2359-04	#0-#261.	F0-12-46	10-00-1	1.359	543.5
Ì	2 3000	.28500	18.000	10-0541.	11180-01	. 1630-01	20-5455.	50-8581.	£0-4294	. 1220	37.	543.8
*	2.2000	33700	000 6:	. 1520-01	10-0-01	1720-01	2726-03	50-4E0E	4206-03	. 1920	2.266	543.4
*		39000.	20 000 3: 000	10-00-01 0-00-01	10-0621	10-01/2	3413-03	50-6775.	. 3852-03	.1760	5.065	543.4
,	2 0000 2	0092t.	22.000	. :410-01	1150-011	1590-01	.2187-03	.1781-63	.2468-03	.1130	1.259	542.7
r)) r	, , ,									

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DATE 0	DATE 07 OCT 75		0H-74 (AED(OH-74 (AEDC V418-88A)	HEATING [HEATING DATA ON ORBITER FUSELAGE PORT SIDE	ITER FUSEI	AGE PORT :	3106			PAGE 11
				0H-74 (AEC	XC V418-88/	04-74 (AEDC V418-88A) BG2C12F10M16W127E52V9R19	.0M16W127E	52V9R19				(RV8001)
Z	1R,	.,×	1/C NO	H/HREF	H/HREF	H/HREF	H(9T0)	H(T0)	H(TAH)	1000	DTMOT	궃
NCHBER) :		R=0.9	R-1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
1							FT2SEC	FT2SEC	FTZSEC	FT2SEC	/SEC	
.7	€.000€	.53000	23.000	.1230-01	10-0001.	1390-01	.1908-03	.1554-03	.2153-03	10-0066.	1.101	542.0
7	2.0000	.56700	≥4 . 000	.860℃-02	50-0007.	-9700-02	.1335-03	.1087-03	.1506-03	.6900-01	. 7520	541.7
,	2.r 300	.62000	25.000	20-0069.	.5600-02	.7800-02	.1071-03	.8728-04	. 1208-03	.5600-01	.6040	541.1
*	2.3000	.67000	26.000	5300-05	.4300-0S	.5900-02	.8189-04	.5675-04	.9236-04	.4200-01	.4630	5,0.3
+	2.0000	.70500	27.000	.3700-02	.3000-02	50-00Zh.	.5722-04	40-9994.	.6453-04	.3000-01	.3210	539.5
ţ	2.0000	.75000	28.000	.1600-02	.1300-02	.1800-02	·2441-04	1991-04	.2752-04	1300-01	1400	538.7
t	2.0000	.80000	29.000	20-0001	.8000-03	.1100-02	.1507-04	.1229-04	1699-04	-0008·	.8700-01	538.7
3	2.0000	.82400	30.000	0000.	.0000	.0000	.3005-07	.2451-07	.3388-07	.0000	. 0000	538.7
y	3.0000	0000 2 .	31.000	.2910-01	.2370-01	.3290-01	.4528-03	.3586-03	.5111-03	. 2330	2.475	54,0
,	3.0000	.22500	32.000	.2443-01	10-0861.	.2750-01	.3787-03	. 3083-03	.4275-03	. 1950	2.185	5+3.9
,	3.0000	.25000	33.600	.2010-01	.1630-01	.2260-01	.3116-03	. 2537-03	.3518-03	.1610	1.798	544.0
3	3.0000	.27500	34.000	16-0751.	.1280-01	1770-01	.2439-03	.1986-03	.2754-03	. 1260	1.507	543.5
5	3.0000	30000	35.000	1390-01	10-0411.	10-0751.	.2167-03	.1764-03	.2446-03	.1120	1.384	5,3.3
y	3.0000	.32500	36.000	.2030-01	. 1650-01	. 2290-01	.3150-03	. 2565-03	.3556-03	. 1620	1.904	5-3.8
*	3.0000	.35000	37.000	.2650-01	.2160-01	. 2990-01	.4113-03	3348-03	.4643-03	.2120	2.460	5,3,9
*	3.0000	.37500	38.000	.2200-01	.1800-01	.2490-01	.3425-03	.2789-03	.3866-03	0771.	€.072	5,3,5
,	3.0030	00007.	39.000	10-0841.	. 1200-01	.1670-01	. 2295-03	. 1869-03	.2590-03	0611.	1 . 399	54.2.7
*	3 0000	.42500	40.000	. 1550-01	15-0-01	10-0691	. 2329-03	.1897-03	. 2629-03	.1200	1.426	543. 1
3	3 0000	45000	41.000	. 1220-01	100001.	.1380-01	. 1898-03	. 1546-03	.2142-03	. 9800-01	1.122	542.4
7	3 0000	47500	42.000	S0-0078.	.7100-CZ	.9800-02	.1348-03	.1098-03	.1522-03	13-0004.	0777.	5,2,5
±	3 0000	00007.	43.000	.8830-02	.7200-02	. 9900-02	.1369-03	.1115-03	. 1544-03	.7100-01	. 7890	5,5,5
3	3.0000	.52500	44.000	.6700-02	. 5500-02	.7600-02	. 1044-03	.8505-04	.1178-03	.5400-01	. 5350	+ · · · · · · · · · · · · · · · · · · ·
•	3.0000	.55003	45.030	.6200-02	.5000-02	.7000-02	.9618-04	.7838-04	. 1085-03	10-0005	. 5560	0.1.0
*	3.0000	.60000	45.000	20-0044.	.3600-02	5000-05	.6832-04	.5569-04	.7706-04	.3500-01	. 3865	2.076
*	3.0000	.65000	47.000	3100-05	.2500-02	. 3500-02	40-4964.	.3884-04	.5372-04	.2500-01	. 2630	539.6
,	3.0000	.70990	48.003	.27nn-02	.2200-02	.3000-32	.4166-04	. 3397-04	+0-169h.	. 2200-01	. 2 600	539.0
3	3.0000	.75990	49,030	.8000-03	,7000-63	.9000-03	.1240-04	1011-04	1399-04	. 6000-02	.7009-01	7:8.7
3	3.0000	. B0000	50.003	-1000-05	.ecoo-o3	.1100-02	1542-04	. 1258-04	.1739-04	. B0000-02	.8500-01	758./
ŧ	3.0000	90006.	53.000	.7000-03	.6000-03	.8000-03	1147-04	.9353-05	+D-+621.	5000-UZ	.8303-01	0.55.0
4	3.0000	.92561	54.000	.8000-03	.6000-03	.0-0006.	1217-04	. 992A-05	40-5/51.	20-000	10-0068.	0.000
ŧ	3.0000	.95000	55.000	£0-000h.	3000-03	.4000-03	. 5931-05	+836-05	-0-88 99 .	30-000s.	. 5100-01	1 1 1
•	4.9099	.20009	71.030	.3370-01	.2750-01	.3810-01	.5242-03	.4264-03	5950-13	3597.	5.0/5	040.7 Firm
ŧ	4.0000	.22500	72.000	.2520-01	.2140-01	.2960-01	£0-7:04.	31.8-03	.4603-03	. 2100	4.4PU	0.7
÷	4.0000	.25000	73.090	10-6415.	1740-01	10-6145.	. 3321-03	. 2702-03	. 3750-03	0171.	2.005	n (
,	4.3000	27500	74.009	.2010-01	1630-01	.2260-01	.3:15-03	. 2535-03	.3518-03	.1600	1.982	n
3	. 0000	.30000	56.000	.2050-01	10-0731.	.2310-01	.3180-03	.2598-03	.3590-03	.1640	9,:40	544.3
3	4.0000	.32500	57.000	.2:30-01	10-04/1.	.2410-01	.3316-03	. 2599-03	.3743-03	.1710	2.238	7.7.7
,	4.0999	.35000	58.000	10-0641.	.1220-01	1690-01	.2319-03	. 1899-03	.26.8-03	. 1200	1.565	2.77.0
3	4.9300	.37500	59.000	.1160-01	.9403-02	1310-01	.1803-03	.1468-03	.2035-03	.9300-01	1.219	15.45
•	4.0000	40000	60.000	-9100-05	.7400-02	10-0201	1419-03	.1156-03	.:602-03	.7300-01	. 9600	543.6
*	4.0000	.42500	61.000	.7300-02	.5900-02	.8200-02	.1130-03	. 9201-04	. 1275-03	.5800-01	. 7650	0,47.0
*	4.0000	.45000	62.000	.5900-02	50-0084.	.6600-02	+0-+016.	.7416-04	.1027-03	10-0024	.6100	546.3
ŧ	4.0000	.47509	63.000	20-0084.	.3900-02	.5500-02	.7507-04	.61:6-04	.8470-34	. 3930-01	. 4950	D. 1.40

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DATE 0	DATE 07 OCT 75		OH-74 (AED	04-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	HEATING	DATA ON OR	BITER FUSE	LAGE PORT !	3016			PACE 12
				OH-74 (AE	C V418-98	OH-74 (AEDC V418-88A) BG2CIZF10M16W127E52V8R19	10M16W127E	52VBR19				(PV800!)
RUN	TRACE	x/L	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R=TAH	H(910)	H(TO) BTU/ R	H(TAM)	0001 81U/	DTMOT DEG. R	TW DEG. R
							FTZSEC	FT2SEC	FT2SEC	FT2SEC	/SEC	
*	4.0000	.50000	94.000	.3650-02	50-0062.	20-0004.	.5554-04	4526-04	.6266-04	.2900-01	.3570	541.4
3	4.0000	.52500	65.000	.3400-02	.2800-02	.3900-02	.5331-04	40-44£4.	.6015-04	.2800-01	.3420	541.2
t	4,000	.55000	66.000	.2600-02	-2100-02	.2900-02	.3974-04	5238-04	4482-04	.2100-01	.2420	540.9
*	4.3000	.60000	67.000	-20002	.1500-02	.2300-02	.3131-04	.2552-04	.3531-04	.1600-01	.1830	540 %
,	4.0000	.65000	68.000	.8000-03	.7000-03	.9000-03	.1293-04	1054-04	1459-04	.7000-0 2	10-0064.	540.0
5	4.0000	.70000	69.000	-1300-02	.1000-02	.1400-02	1943-04	.1584-04	-1615.	100001.	.1130	540.0
,	4.0000	.75000	70.000	.7000-03	.5000-03	.7000-03	1014-04		1143-04	.5000-02	.5900-01	539.1
,	. 0000	.80000	75.000	£0-000h.	.3000-03	.5000-03	.6525-05	.5320-05	.7357-05	3000-05		539.4
*	4.0000	.87500	77.000	1000-03	1000-03	1000-03	1221 -05	.1000-031000-03120-031221-059961-061377-051000-028000-02	1377-05	1000-02	8000-32	539.0
*	4.0000	. 90000	78.000	.6000-03	.5000-03	.50000-03 .6000-03	. 8825-05	.882E-05 .7198-05 .9951-05 .5000-02 .6000-01	. 9951-05	5000-05	.6000-01	538.9
,	300¢.₩	.92500	79.000	.1600-02	.1300-02	.1300-02 .1800-02	.2458-04	.2458-04 .2005-04	+0-5775.	10-0051. +0-5775.	.1590	539.4
,	0000	.95000	80.000	. 1600-02	. 1300-02	. 1800-02	.2458-04	.1600-0-0-1300-0-1800-0-1800-0-0-1-0-00-0-0-1-0-0-0-0	40-5775	.0000	.0000	583.3

DATE 07	3 5- 75		OH-74 (AECC V418-88A)	. V418-98A)		DATA 2N OR	BITER FUSE	HEATING DATA 'N ORBITER FUSELAGE PORT SIDE	310€			PAGE 13													
				OH-74 (AEI	04-74 (AEDC V418-88A) 862C12F10H16H127E52V8R19	A) B62C12F	10M16W127E	52V8R19				(RV8001)													
ORBITER F	R F 36. A 1							PARAME	PARAMETRIC DATA																
					BETA	0000	HOCH	■ 8.000	ELEVON =	00000	RUDDER .	.0000													
					*** TES.	***TEST CONDITIONS***	•••S																		
RUN	#ACH	ALPHA DEG.	9 P P P P P P P P P P P P P P P P P P P	10 DEG. P	P	YAH DEG.	T 0€0. R	e e Ai.	O PSIA	V FT/SEC	SLUGS	18-5EC													
L O	7.880	39.79	92.90	1177.	180.0	0000	87.70	.9000-02	.4070	36'6.	.8960-05	.7062-07													
RUN NUMBER	RN/L X10 6 /FT /FS88	HREF 8TU/ R FT2SEC .1540-01	STN NO R= .0175																						
					•	***TEST DATA***	:																		
Ş	TRACE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(70)	H(TAH)	1000	DTHOT														
A POR				R=0.9	R•1.0	R=TAJ	BTU/ R	31U/ R	BTU/ R	910/	DEG. R	DEG. R													
ď	0000	07500	0020	10-00-1	10-0-11	1580-01	2158-03	.1758-03	.2435-03	.1120	1.156	542.6													
יטי	0000	30000	2000 · 2	1330-01	10-0801	.1500-01	.2046-03	. 1667-03	.2309-03	. 1060	1.123	£42.5													
យៈ	1,5000	.32500	3,0000	10-0321.	50-0086.	1360-01	. 1853-03	. 1509-03	.2091-03	.9600-01	0¥86. 204	7. M 10. C 10.	មា	000011	.35000	±, 0000 ₽, 0000	16-00/:	10-0151	10-0161.	.2851-03	. 2330-03	.3229-03	.135	1.553	543.0
ı kr	1.0000	40000	5.0000	10-0261.	10-0/51.	.2180-01	.2975-03	.2423-03	.3359-03	. 1540	975.1	542.6													
រោ	0000.1	00554.	7 0000	19-0761.	1600-01	.2220-0;	3330-03	.2468-03	3419-03	1750	7,000	ים מי טילה מילה													
n vo	0000 1	00064.	9500. 6	1679-01	1350-0;	1890-01	. 2576-03	.2099-03	.2907-03	.1330	1.356	542.3													
ν.	0000 1	50000	10 000	.1810-01	10-0741.	.2040-0!	.2788-03	.2271-03	.3145-03	C++:	294.1	542.:													
<u>ភ</u> េ រ	1.9000	.52500	000	1710-91	10-00+1.	1930-01	5639-03	50-0312.	5978-03	0.81.	. 39.	7 to 10 to 1													
ո տ	1 2000	. 5 5500	7000 M	10-0501	50-00a	10-0511	1580-03	1287-03	.1793-03	.8200-01	.8300	M.: 40													
יטי	1.0000	00000.) ()) ()) ()	8000-05	6500-02	.9007-02	. 1234-03	.1306-03	.1392-03	.6-00-01	.6490	540.7													
S	1.0000	.70590	15 909	50-035H.	.3700-02	5:00-02	.6967-04	.5580-04	.7858-C4	.3600-01	.3540	539.9													
S	1.0000	.75000	16.000	.5000-03	£0-000h.	. 50000-03	.8400-95	.6850-05	9472-05	60-860 4 .	10-0055	539.2													
<u>د</u> م	0000 1	80300	000 7:	.7000-03	.6000-03	.8000-03	.1153-04	30-40-6	1300-04 36 9-04	.6503-02	10-0084 1 348	558.9 544.0													
ır ı		28539	000	10-044	10.	10-050-01	*0-070z	2507-015	59-59-53	.1583	1.867	8. M.C													
o n	2020 v	39/00	20.000	2060-01		.2320-01	.3165-03	.2578-03	.3574-n3	. 1630	1.927	543.2													
, un		00924	21 000	.2030-01	.1660-01	16-06-27	.3132-03	.2550-03	.3535-03	. 1620	963.1	5+3.3													
'n	3300 ≥	47830	22 000	12-00511	.1220-01	10-00/11	.2316-03	. 1887-03	.26:4-03	.:200	1.335	542.3													

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DATE 07	7 001 75		0H-74 (AED)	0H-74 (AEDC V418-88A)		HEATING DATA ON ORBITER FUSELAGE PORT	BITER FUSE	AGE PORT	SIDE			PAGE 14
				0H-74 (AEI	OH-7% (AEDC V418-88A) BG2C12F10M16W127E52V8R19	V) BG2C12F1	10H16H127E	52V8R19				(RVB001)
ş	TRAILE	x/r	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HETAM	1000	01k01	3
NC#BER R				₽.0 ©.0	κ. υ. υ.	R-TAH	BTU/ R	BTU/ R	BTU/ R	81U/ F19GE	DEG. R	DE0. R
m	€.0000	53000	23.00C	.1040-0;	-8400-05	.1170-01	1598-03	. 1 302-03	. 1803-03	. B300-01	9220	0.110
m	€.0000	.56700	24 . 000	. 8000-02	. 5500-02	- 30006	.1225-03	+0-1668	.1383-03	.6400-01	0169.	M. 140
n	ال عا ال	.62000	25.000	.6300-02	5200-05	30-0017.	.9734-04	. 7934-04	. 1098-03	5000-01	. 5500	540.7
.	•	.67000	26.000	.7600-02	.6200-02	.8600-02	1117-03	40-8256	. 1324-03	.6100-01	. 6680	539.1
en e	6000. 6000.	. 70500	27.000	5000-05.	4300-02	5900-02	.B048-04	40-4869.	40-4206	10-0024	0554	538.8
ש ר		0000	000	#0-00c1.	1,000-06	20-00/1.	PO-1555.	*D-8161	- 2655 - 0455 -	. 1200-01	1359	533.3
'n		00,428	30.00 000.08	50-00-03	20-0004°	50-00-03	7255-04	+0-c/+1.	*0-1818.	50-0006.	0.040	033.0 53.0
رن د	.000	esses.	31.000	.3050-01	.2490-01	.3450-01	.4721-03	.3843-03	5330-03	2, 30	2.579	M. + 30
ę,	3.0000	.22500	37.000	,2500-01	.2040-01	.2820-01	.3854-03	.3138-03	.4351-03	0661	2.223	54.40
ď		.25000	33.000	10-0261.	1610-01	. 2230-01	.3040-03	.2475-03	. 3432-03	0.1570	1,754	543.9
S.	•	.27500	34.000	.1600-01	1300-61	1800-01	.2457-03	.2001-03	.2773-03	.1270	1.519	545.4
ED :	c)	. 30000	35.000	10-009,	.1310-01	10-0181	.247,1-03	.2012-03	.2789-03	. 1280	1.579	543 2
r I		.32500	35 000	.2380-01	10-0-61	. 2690-01	.3664-03	. 2984-03	.4136-03	. 1890	2.217	543.4
ស រ	0000 K	.35000	37 000	.2280-01	.1850-51	.2570-01	.3508-03	2856-03	.3959-03	.1810	2.101	543.3
វ ោ		.37500	38.000	1890-01	10-0451.	.2130-01	.2905-03	.2366-03	.3280-03	.1500	1.759	543 2
G		33004.	35 CDG	.1500-01	10-0221.	.1690-01	.2313-03	.1884-03	. 26:0-03	.1200		542.3
r.		വ	40.000	.1420-01	.1150-01	.1600-01	.2187-03	.1782-03	.2469-03	.1133	1.340	542.6
K)	3 0000 8	~5000	₩1.000	1180-01	.9600-02	.1330-01	.1822-03	11484-03	.2056-03	10-0046.	1.078	e. 1
ፈነ (.47500	42.00g	10 3:01.	.8200-02	10-0411.	.1553-03	.1265-03	.1752-03	:0-0008	.8950	542.
n i		. 5001.	000 87	8:00-05	.6600-02	.9100-02	.1246-03	.1015-03	.1405-03	.6500-01	.7:90	546
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, u	, c	0.578	77.000	.3000-03	.3000-03	.3000-03	.4738-05	. 3865-05	.5342-05	S0000-05	. 3200-01	538.5
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DATE 0	DATE 07 0CT 75		04-74 (AEDC V418-88A)	V418-88A)		HEATING DATA ON ORBITER FUSELAGE PORT	ITER FUSEL	AGE PORT	SIDE			PAGE
				OH-76 (-)	DC V418-88	04-74 (, .OC V418-88A) BG2C12F10M16W127E52V9R19	OMIGHIZTE	5278819				(RVE001)
34E11E	OREITER FUSELAGE							PAHAM	PARAMETRIC DATA			
					BETA		MACH	. 8.000	ELEVON .	0000 .	RUDDER -	.0000
					•••1ES	***TEST CONDITIONS***						
RUN NUMBER	МАСН	ALPHA 056.	& <u>₹</u>	70 DEG. R	8 I	YAW DEG.	T 0€6. R	a 8 ₹	o §	V FT/SEC	SLUGS	940 LB−Sf°C
v	7.880	13.84	95.10	1177.	180.0	.0000	87.70	. 100′ 01.	.4180	3616.	.9200-05	.7052-07
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A CONTRACTOR	: KACE	,	2/-	0 0 E	R. 1.0	R.TAW	BTU, R	BTC (5)	, VJTC	910	DEG R	DEG. R
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9	1.0009	.27500	1.0000	.1340-01	10-0601.	.1510-01	2091-03	.1704-93	.2358-03	0801.	126	540.5
9	0	00002.	5000 2	15-0821	10-0-01	1440-01	. 1997-03	.1628-03	.2253-03	.1040	1.101	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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o un	0000	1 C	5.000	10-0261	1570-01	10-0812.	.3012-03	.2455-03	.3398-03	.1550	1.642	7.1.40
Ĉ.	1 0000	0000	0000 9	.1670-01	.1520-01	.21:0-01	.2918-03	.2375-03	. 3289-93	. 1510	1.554	541.0
រ ្	6,30,	42500	00000	13-0622.	19-0-6:	.2590-01	3579-03	. 29, 5-03	.4039-03	.1850	122	541.6
t u	3000.1	្រ ស្រួស ស្រួ ស្រង ស្រង ស្រង ស្រង ស្រង ស្រង ស្រង ស្រង	1000 1000 1000 1000 1000	10-0651	10-0-51	19-050-01	.2697-03	50-96-53.	.3042-03	0041.	, ,	0.146
, (T)	0000	63003	10.020	1730 A	10-014	.1950-01	.2699-03	50-66,2	.3044-03	1400	614.1	8 049
ω	1.0300	50000°	500 11	10-5641	.:200-01	.1650-01	2289-03	. 1865-03	.2582-03	66.::	1.204	7+C 6
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'n	(a)	.e::55	337 81	15-020.	.8333-02	.1159-91	.1589-03	.1296-03	1.192-03	8300-01	.8373	540.8
D	3	.65000	C) ;	6200-02	5000-05	50-00 0	40-2496	,7862-04	1087-03	.5000-01	. 5090	539.4
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ON ORBITER FUSELAGE PORT SIDE	
IG DATA	
(AEDC V418-86A)	
C-H0	
TE 67 CL 1.5	

CATE 07	. 0.1.75		OH-74 (ALD)	0H-74 (AEDC V41B-86A)	HEATING DATA ON CRB! TER FUSELAGE PORT	SATA ON CRE	RITER FUSEL		SIDE			PA3E 17
				OH AEC	AEDC V418-89A) 35'CL2F10M,64127E92V8R19	o astoren	3421H91H0	12VBR19				(30800)
PUN NEMBER	7.8.	×	1/C NO	Lid4 I	. HREF R=1.0	H/HREF R=TAW	41910) 51U/ R	HITJ) RTU/ R	HITAN) BTU, R	0001 8°U/	DTWOT OEG. R	TW DE3. R
·	6		,0 10	n e	20-0522	10-5201	1479-03	FT25EC	FT25EC 1669-01	F125EC	/SEC	64.0 134.0
Ωu	7.00% 000 e	56700	350 5 0	6. 0068.	57.00-02	50-00-0	1674-03	10.58-03	1436-03	.6609-01	7210	539.6
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) ф	2.3000	.67000	מטר אל	.25000-0.	50-1 3	.3000-62	-0-160×	.3337-04	.4612-04	.2,30-01	. 2320	538.4
ودا	2.cc3	.70500	27.000	50-0041.	11100-05	1500-05	41-1213.	1735-04	2398-04	1130-01	. 1200	537 6
9	2.0000	.75000	28.000	1700-02	69-004i.	20-0061.	. 2605	.2130-04	40-1462	10-00-1	. 1500	537.0
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9	3 ~000	.20000	31.000	. 2350-01	18-0145	3340-01	.4613-03	.3757-03	55-75-63	2350 230	יים היים ניים	יי היי יי
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ο φ	3 2000	.37500	38.000	19-0661.	.1520-01	. 2 250-0	.3111.33	. 2535-03	.3509-03	. 1510	1.895	540 6
9	3 0000	000 0%	39.000	17-00+	11140-01	.1590-0.	.2183-03	:1779-03	. 2462-03	,30	339	539 8
9	3.0000	C0924.	40.000	.1269-31	10-02-1	1420-01	. 1964-03	.1501-02	. 22:5-03	.1020	1.212	539 4
9	3 9000	.45030	41.603	.1130-6.	-0176°	15-0221	.1764-03	£0-624.	. 1985 v3	.9200-01	1.053	539.5
9	3 0000	C351.1	42.003	50-L018.	.6630-32	.9, 00-62	.1267-03	.1033-03	1429-03	.6553-01	3557.	559.6
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9	£(, E	52500	44,000	50-00:9.	.5000-02.	50-0569.	43-925 5 .	40-7197.	1381-05	10-0094	0000.	539.0
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9	3.0000	.87500	32.000	.5000-03	. 300-03	.6000-03	. ୧၁၀৪-05	,6532-05	20-85.5.	50-0004.	10-0025.	538.5
9	3.0035	63006	57 000	20-0005	.7000-03	50-0301.	1341-04	1004-04	1512-04	20 066.	10-0086	538.5 538.6
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9	4.0000	.32500	57,000	1930-01	10-0641.	.2060-01	2850-03	.2322-03	. 72.5-03	0841.	936	541.6
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9	4.0000	.37500	S9 000	10-0201	. 8700-0 2	.1210-01	.1673 23	.1353-03	1887-03	9700-01	1.139	7. O. T.
9	30C3 *	20004	62 056	S0-0011	.5370-62	-8700-02	. 1205-43	.9823-04	1359-03	.6395-01	01.50	2.04c
م	5000 ¥	. 42500	6.000	5900-05	50-0084.	30-0029	.9.08-04	40-7436.	1044-03	10-0084.	.03.cc	539.7
9	4.0000	CCCS4.	62.03	-6008.	50-001 + .	. 5650-02	*0-1777.	-055d.	10-10/B		· ·	

DATE 07 OCT 75		OH-74 (4EDC V419-884)	V419-884		HEATING DATA ON ORBITER FUSELAGE "ORT	17ER FUSEI	A0E 708T S	SIDE			PAGE 18
0H-74	0H-74	OH-74	AE0	XC V418-63	04-74 (AEDC V418-63A) BG2C12F10M16W127E52V8R19	OM16W127E	52VBR19				(RVB001)
TRACE X/L T/C NO H/HREF	ş	H/HREF		H/HREF	H/HREF	H(9T0:	H(70)	H(TAH)	7000	OTMOT	7
R.0.9	R=0.9	R.0.9		 	R-TAH	BTU/ R	DTU/ R	BTU/ R	8TU/	DEG. R	DEG. R
						FTRSEC	FT2SEC	FT2SFC	FIZSEC	/ SEC	
. 47500 63.000	•	50-002h.		.3900-02	.5300-02	.7389-04	.6025-04	.8372-04	.3803-01	0064.	539.4
. 5000. 64.000	•	.36cJ-02		-5900-05	SO-0004.	.5571-04	4543-04	.3282-04	.2900-01	.3590	539.3
.52500 65.000		.3500-02		. 2900-02	50-0C, E.	.5467-04	70-BS44.	.6165-04	10-00H5.	.3530	539.3
.55000		-5000-05		. 24 00-02	.3-00-05	40~864A.	.366P 04	.5072-04	.2300-01	.2750	539.1
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50-0001. 000.89 00059.	.1000-02		•	80000-03	. 1200-02	1,606-04	1310-04	.1810-04	.8000 - 02	10-0096	538.3
. 70008 00007.	•	.1200-02		.1000-02	.1300-02	.1851-04	.1510-04	.2087-04	10-0001.	. 1080	5.8.5
. 75000 70.000	·	.1800-02		.1400-02	. 2000-0E	.2755-04	.2248-04	.3105-04	1400-01	. 1610	1,17.3
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50 -0500 77.000 .1500-02	•	1500-02		. 1200-02	50-0011	.2351-04	1919-04	.2650-04	1 0051.	.1610	537.3
. 50-001E. 000.87 00039. 00	":	.3100-02	•	2500-02	.3400-02	4765-04	.3887-04	.5371-04	. 2500-01	.3230	537.9
50-0051. 000 87 00559. 0000.+	•	500-051.		.1200-02	.1700-02	.2377-04	40-6261.	.2683-04	10-0021	.:540	538.3
0000 85.000 0000.	•	.1600-02		.:300-02	.1800-02	.2458-04	.2005-04	٠٥-5٢٢٤.	. 0000	. 00' 0	583.3

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CATE 07			21-24 (4:76	1-74 (A: "C V418-88A)	HEAT ING	HEATING DATA ON ORBITER FUSELAGE PORT	BITER FUSE	LAGE PORT	3018			PAGE 19
				0H-7L (AE	OH-74 (AEDC V418-88A) BG2C12F10H18W127E52V9R19	A) B62C12F	10H16H127E	52V8R19				(1008/4)
ORBITER FUST	R FUSE ALE							PARAM	PARAMETRIC DATA			
					SE TA	0000.	HACH	. 8.000	ELEVON .	.0000	RUDDER .	0000
					••• 1651	***TEST CONDITIONS***	•••\$					
RUN	HACH	ALPHA DEG.	o .	TO PES. R	PH1 DE6.	YAW DEG.	→ 0€6. R	P PSIA	م Aisq	V FT/SEC	RHO SLUGS	HG CB-SEC
91	7.940	15.51	2.061	1242.	180.0	. 0000	91.30	.2000-01	.9030	3717.	7F13	7348-07
RUN NUMBER 16	RN/L X10 6 /FT .9514	HREF BTU/ R FT2SEC .23:5-01	578 NO R* .0175									
					:	***TEST DATA***	:					
ā	TRACE	X/F	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAH)	\$000	DTMDT	7
NUMBER		1	!	9.0 . 8	0.1-8	R-TAW	BTU/ R	BTU/ R	81U/ R	BTU/	DEG. R	0EG. R
							FT2SEC	FIRSEC	F1255C	FT2SEC	/SEC	
16	0000 1	.27500	1.0000	13300-01	.1070-01	10-0941.	.3017-03	. 2482-03	3382-03	0471.	1.801	54.0 6.0
9	0000 1	.30005	2 .0000	10-0401	.8800-0 2	.1200-01	.2473-13	. 2034-03	. 2772-03	1420	1.512	0 . N . i
9:	1,0000	.32500	3.0000	20-00-5	-8100-05	1109-01	.2276-03	. 1872-03	.2551-03	012:	349	5 (5 (5 (1) (
9 :	0000:	35000	4.0000	9100-08.	. 7500-02	10-0201.	.2102-03	1729-03	.2355-03	1215	842.1 741.1	ייים אם ער האם ער האם
ច្ច	0000	00004	5.0000	50-009b.	20-00/6	10-020:	. 2217-03	. 1824-03	20-4849.	. 1283	1.315	£40.8
9 9	1.0000	00524	7.0000	. B500-02	.7400-02	10-0001	.2069-03	.1703-03	.23:9-03	. 1190	622 ;	8.043
16	1.0000	000 54 .	8.0000	1130-01	.9300-02	. 270-01	.2615-03	.2152-03	.2930-03	.1510	1 544	6.40.8
16	0000 1	33564.	9.0000	10-06-11	13-0221	,1650-0;	.3422-03	.2815-03	3835-03	0.1970	€00. 2	541.3
15	0000 1	. 50003	10.000	10-0891.	1390-01	10-0881.	.3930-03	.3201-03	.4359-03	. 2240	7-2-5	540.7
õ	1.0000	.52500	11.000	10-09/1	1450-01	10-086:	.4082-03	.3359-03	.4575-03	. 2350	2.389	8,0
91	1.0000	. 55000	18.000	16-058:	. 1520-01	. 2070-01	. 4275-03	.3518-03	.4790-03	07 2 9.	D)	יום יום יו
<u>ത</u>	1.0000	. 60000	13.000	10-0010	2050-01	. 2800-01	5775-03	.4751-03	.6473-03	. 3330	3.374	7
9 !	1.9090	. 65500	14.030	10-0804	10-0265	10-5084.	50-0188.	50-0018.	50-11-1.	סטים.	יייים ערייים ערייים	
<u>ه</u> م	1.0000	60007	15.000 6.000	10-027	ימימתות.	10-0000	20-6226	5.351-03	86.56-03		4.516 616	1,11
ō ñ		00000	17.000	10-0541	18:3-01	.1653-03	3401-03	2799-03	.3811-03	. 1960	1 9JS	5,40 5
	00000	00000	18.030	11.80-01	50-0026.	1329-01	.2734-03	. 22.+9-03	.3075-03	.1570	3+5	5,42.7
51	2.0030	.33700	000 61	1050-01	.8500-02	.1180-51	.2428-03	1997-03	. 2721-03	1400	1.548	5,42.3
<u> </u>	9.0000	39000	20.000	1149-01	-9400-05	10-0821.	.2639-03	.2170-03	. 2957-03	1520	1.793	9,146
1.6	€.0030	. 42600	.21,000	1600-01	:320-0:	1800-01	.3714-03	.3055-03	£0-29:4:	. 2140	2.512	541.7
<u>u</u>	2.0000	7900	22.000	10-0045.	10-0/61.	10-0692.	.5546-03	.4562-03	.62:8-03	.3190	3.557	542.5

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REPRODUCEMENTY OF THE ORIGINAL PAGE IS POOR

				0H-74 (AED	24-74 (AEDC V418-88A) BG2C12F10M16H127E52V8R19) 862C12F1	0M16W127E	52V8R19				(RVB00)
z	TRACE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(9T0)	Н(10)	H(TAH)	7000	CTWOT	Ξ
19ER		•		R=0.9	R 0	R-TAW	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. F
							FT2SEC	FT2SEC	FT2SEC	FT2SEC	/SEC	
91	€.0000	.53000	23.000	.3550-01	. 2920-01	.3980-01	.8226-03	.6763-03	. 9222-03	05.74.	5.266	S+3.3
91	2.0000	.56700	24.000	10-0064.	.4030-01	.5500-01	.1135-02	.9324-03	. 1273-02	.6500	7.059	545.0
91	2.6300	.62000	25.000	.5320-01	10-0754.	.5970-01	. 1231-02	. 1012-02	. 1381-02	. 7050	7.661	9+5.0
9	e. Jou	.67000	26.000	.2880-01	.2370-01	. 3230-01	.6666-03	.5484-03	.7471-03	.3840	£.181	3.130
16	2.0000	.70500	27.000	10-0161.	.1570-01	.2140-01	.4428-03	.3644-03	.4962-03	. 2560	2.758	540.5
91	€.0000	.75000	28.000	.1260-01	.10-0-01	.1410-01	. 2917-03	.2401-03	.3268-03	. 1690	1.855	539.6
9	€.0000	.80000	29.000	10-0001.	.8300-02	.1120-01	. 2324 - 03	. 1914-03	.2604-03	.1350	1.487	539.1
16	2.0000	.82400	30.000	.3300-02	50-0075.	.3700-02	. 7548-04	.6215-04	.8455-04	10-0044	.6100	538.7
91	3.0000	.20000	31.900	. 2850-01	.2340-01	.3190-01	.6592-03	.5417-03	.7394-03	.3770	4.002	545.3
9	3.0000	. 22500	32.000	.2160-01	.1780-01	10-02+2.	.5002-03	.4111-03	.5610-03	.2870	3.208	544.7
91	3.0000	. 25000	33.000	1630-01	.1340-01	.1830-01	.3771-03	.3100-03	.4228-03	.2160	754.5	543.7
9	3.0000	.27500	34.000	.1250-01	.1030-01	1400-01	.2891-03	.2377-03	. 3241-03	. 1660	1.990	543.3
9	3.0090	30000	35.000	10-0601.	-00006.	.1220-01	.2524-03	.2075-03	.2829-03	1450	1.797	542.7
9	3.0000	.32500	36.000	1180-01	.9700-02	.1320-01	.2728-03	. 2243-03	.3058-03	.1570	1.8+1	542.7
9	3.0000	.35000	37.000	.1230-01	10-0101.	1370-01	. 2839-03	.2335-03	3183-03	.1630	1.897	542.5
<u> </u>	3.0060	37500	38.000	1330-01	1090-01	1490-01	.3086 33	.2535-03	.3454-03	0771.	2.083	541.9
. u	0000	00003	39.000	19-0112	.1730-01	1.J-092 3	.4881-03	.4015-03	.5472-03	.2810	3.314	542.3
9 4	20000 %	0000	000.07	.2820-01	.2320-01	.3170-01	.6539-03	.5377-03	.7332-03	.3760	4 452	543.5
. u	20000	מטטני.	000	3220-01	2640-01	.3610-01	7444-63	.6121-03	.8347-03	.4280	4.888	543.3
y c	3 0000	005/3	(50.05	3950-01	.3250-01	.4430-01	.9151-03	.7522-03	.1026-02	.5250	5.844	544.4
) u	0000	00000		10-0225	4330-01	10-0165	20-6121	50-5001.	.1369-02	0.69.	7.757	546.1
ب د	2000	יייטטטי.	20 4 . N	5540-01	10-0084	.6550-01	1352-02	-1111-02	.1516-02	.7730	9 062	545.6
. ע	0000	מטטאני	100	4790-01	3940-01	.5370-01	20-6011	.9111-03	50-44-51.	.63€ ∩	7.067	545.2
n u	3.000	00005	(pu) 4 m	10-0220	10-0161	2500-01	5372-03	4420-03	.6021-03	3100	3.370	7.176
5 U	2000	65000	1000	1550-03	1270-01	1730-01	3582-03	2948-03	1014-03	.2070	2.200	540.0
	2000	מכמחר	300	10-0-01	.8600-02	.1170-01	.2415-03	.1988-03	.2706-03	.1400	1.544	539.4
י ע	3.000	75000	1000.00	.8200-02	.6800-02	9200-02	.1906-03	.1569-03	.2135-03	.1100	1.202	539.0
υ (c	3.0000	20008	50.000	.7500-02	.6200-02	.8400-02	.1737-63	. 1431-03	.1946-03	0101.	1.061	538.7
	3 0000	. R5000	51.000	20-00+6	.6100-02	.8300-02	.1708-03	.1+06-03	.1913-03	10-0066	1.227	536.8
9	3.0000	.87503	52.000	-8100-02	.6700-02	-9100-05	. 1975-03	.1543-03	.2101-03	.1080	1.1.43	540.0
6	3.0000	00006.	53.000	.7700-02	.6300-02	.8600-02	.1786-03	.1470-03	.200!-03	.1030	1.436	540.5
9	3.0000	.92500	54.000	50-00%	. 7800-02	.1060-01	.2181-03	.1795-03	.2444-03	. 1260	1.653	540.5
9	3.9000	95006	55.000	. 9200-02	.7600-02	.1030-01	.2138-03	.1759-03	.2396-03	. 1240	1.254	0.010
9	0000 4	60005.	71 000	.3470-01	.2950-01	.3893-01	.8035-03	.6598-03	.9017-03	.4580	5.224	547.7
9	0000 4	.22500	72 000	.2689-01	.2200-01	.3010-01	.6210-03	.5102-03	.6967-03	.3550	4.159	546.1
ι (C)	3000	.25000		.2050-01	10-0691.	.2300-01	.4750-03	.3903-03	.5328-03	.2720	3.184	545.6
3.5	0000.4	20375.	74 000	1643-01	.1350-01	10-0-81.	.3806-03	.3129-03	.4269-03	.2180	2.700	544.6
Ś	5656 %	50008.	55.003	1350-03	10-0211.	10-0251.	.3143-03	. 2584-03	.35?4-03	0081.	2.365	543.6
ιρ	00000	38500	57.000	10-0251.	10-0621	10-0941.	.3636-03	. 2989-03	.4077-03	. 2093	2.736	543.6
9	0000	.35000	58 000	.2550-01	.2090-01	.2860-01	.5900-03	.4849-03	.6617-03	3.90	4.432	544.5
Į.	0300.7	37500	59.000	10-0714.	.3~30-01	.4680-01	.9663-03	. 7938-03	.1084-07	.5520	7.228	546.4
, v	0000	00004	60.000	.5350-01	. 4390-01	.6000-01	.1239-02	1017-02	. 1390-02	0707.	9.244	547.3
10	00007	42533	61.000	10-6224.	.3880-01	.5300-01	-1093-02	.8982-03	.127-02	.6250	9,178	546.4

8 PAGE

CH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE

DATE 07 OCT 75

DATE OF	بر عر		OH-74 (AEDC	V418-8841	HEALING DATA ON UNBILEN FUSELAGE FURT							
				0H-74 (AE)	H-74 (AEDC V418-88A) BG2C12F10M1EJ127E52V8R19	N BESCIEF	10M16.4127E	52VBR19				(FVB001)
3	TRALE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HCTAMI	1000	DTMOT	7
NUMBER				R=0.9	R=1.0	R=TAW	BTU/ "	BTU/ A	BTU/ R	87U/ F12SEC	DEG. R	DEC. R
9	. 000c	.45000	62.000	.36 3-01	.2960-01	10-0404.	.8341-03	.6955-03	.9356-03	.4780	6.186	545.0
9	4.0000	47500	63.000	.260-01	.2130-01	.2910-01	F008-03	, 4940-03	.6737-03	.3450	4.393	543.6
9	300.1.4	.50000	500·49	10-0771.	10-0941.	10-0661.	.4107-n3	.3378-03	.4603-03	.2360	2.929	54S
9	4.3000	.52.500	65.000	10-0941.	. 1200-01	.1630-01	.3376-03	.2778-03	.3784-03	.1950	2.411	541.7
2	4.8000	.55000	66.000	1120-03	.9200-02	. 1260-01	.2500-03	.2139-03	. 2913-03	.1500	1.760	5.1.5
15		.60300	67.000	.8403-02	.6900-02	-00-00	.1935-03	.1593-03	.2168-03	0211.	1.262	539.7
9	4,0000	.65300	68.000	50-0017.	5800-05	-80008	.1643-03	.1353-03	.1841-03	10-0056.	1.117	539.5
9	4.0000	.70000	69.000	.5600-02	50-0094.	.6300-02	.1298-03	.1058-03	1454-02	.7500-01	.8370	539.3
9	4.0000	.75000	70.000	.5200-02	50-0624	.5900-02	.1215-03	.1000-03	.1361-03	10-0007.	.7850	539.3
16	4.0000	. 80000	75.000	. 22° JS	50-0531	50-00+2.	+0-7884.	4114-04	.5598-04	.2900-01	0510	539.1
9	4.0000	.85000	76.000	.7000-03	.6030-03	.8000-03	.1663-04	1370-04	.1863-04	10-0001.	0+11.	538.3
16	4.0000	.87500	77.000	-2000-05	.1600-02	.2200-02	4634-04	.3816-04	.5190-04	.2700-01	.3530	538.3
9	6000.4	00006.	78.000	.2500-02	S100-52	.2800-02	.5830-04	40-1084.	.653! -04	.3400-01	0624.	538.13
9	4.0000	.92500	79.000	.2800-02	S300-C5	.3100-02	.6452-04	.5312-04	.7228-04	.3700-01	3194.	539.:
9	4.0000	.95000	80.000	50-0011.	.1400-02	-1900-05	.3984-04	.3281-C4	+0-29+4.	.2300-01	.2710	539.4

55 3	(RVB 301)		90		.	SEC T2	70-7					
PAGE	Ē		0000			LB-SEC /FT2						
			RUDDER .		SH2	SLUGS /FT3	. 1874-04					
			ELEVON0000		>	F1/5EC	3724.					
310€		PARAMETRIC DATA	ELEVON		0	PSIA	.9030					
OH-74 (AEDC V118-E8A) HEATING DATA ON ORBITFR FUSELAGE PORT SIDE	E52VBR19	PARAM	• B.000		۵	PSIA	.2000-01					
RBITER : USI	ØH-74 (AEDC VI,18-98A) BG2C17F10M16W127E5ZVBR19		ээ масн	ONS	-	DEG. R	91.60					
DATA ON C	3A) B62C17		. 0000.	***TEST CONDITIONS***	YAM	DEG.	.0000					
HEATING	DC V', 18-96		BETA	••• 169	Ī	DEG.	0.081					
C V+18-E8A)	041-74 (AE				0	DEG. R	1247.					
OH-74 (AED)					0	PSIA	190.3	STN NO	å	.0175	.4163-01	
					ALPHA	DEG.	¥.85	HREF	9TU/R	FTZSEC	.2317-01	
OCT 75		ORBITER FUSE, AGE			MACH		7.940	RN/L	X10 6	13/	9461	
DATE 07 OCT 75		0RB11ER			3	*UMBER	1.1	ş	NUMBER			

TEST DATA

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DAIE 07	230		OH-74 (AEE	0H-74 (AEEC V418-88A	HEAT ING I	HEATING DATA ON ORBITER FUSELAGE PORT SIDS	BITER FUSEL	AGE PORT	5018			PAGE 23	
				0H-74 (AE	0H-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	4) B62C12F1	10M16W127E	52V8R19				(RV9001)	
X N	TRATE	x/L	1/C NO	H/Hage	H/HREF	H/HREF	H(910)	H(10)	H(TAM)	7000	DTWOT	Į,	
NUMBER				9.0≖	R=1.0	R-TAW	BTU/ R	BTU/ R	BTU/ R	8107	DEG. R	DEG. R	
5	0		000	3	10-01	10-0494	95.7-03	7893-03	1076-02	7 C.S.C.	73° / 26° / 36° /	10. 13. 10.	
: :) С	56700	000.10	10-0414	1760-01	2400-01	.4958-03	- 180h	. 9555-03	. 2880	3.130	0.45	
: 1	2.7300	.62000	25.000	. 1320-0.	10-0601.	1480-01	.3054-03	.2515-03	.3421-03	. 1770	1.932	5+1.2	
: :	2.3000	.67003	26.000	1150-01	.9500-02	10-0621.	.2674-03	.2202-03	. 2994-03	. 1560	1.697	539.7	
2	2.0000	.70500	27.000	₽0-00 06 °	.7400-32	10-0101.	.2083-03	.1716-03	.2332-03	12,0	1.311	539.1	
17	8	. 75009	28.000	.5300-02	50-0044.	5900-03	.1227-03	.1011-03	.1373-03	.7200-01	.7880	538.8	
1.7	0	.80000	29.000	.3500-02	20-0062 .	. 3900-02	+0-E+18.	.6710-04	9116-04	10-0084	.5250	538.5	
7.1	2.0000	8 2 400	30.000	.:100-02	£0-0006.	.1230-02	·0-65+2·	.2026-04	,2752-04	10-00-11	. 2000	538.3	
7.	3,0000	. 20000	31.000	10-0062.	.2380-01	.3250-01	.6709-03	.5518-03	.7521-03	.3880	£.112	מי אינו	
<u>r.</u>	3.0000	.22500	32.000	10-0785.	1950-01	.2650-01	.5488-03	.4515-03	.6151-03	.3170	7.555	8.575	
7:	3.0000	.25000	33.000	10-0261	1530-01	.2150-01	.4452-03	.3665-03	£0-886h.	, 2580	2.895	5,6.0	
Ľ	000	.2 500	34.000	.:450-01	1500-01	.1630-61	.3367-03	.2773-03	.3772-03	1960	2.349	5+0.8	
17	3.0000	00005.	35.000	.1270-01	10-0-01	14-20-01	. 2932-03	.2415-03	. 3284-03	.1710	7.117	5,0	
1.		.32500	35 000	1340-01	10-0011.	10-0051.	.3095-03	.2549-03	.3466-03	.1800	P.11.4	5.0.1	
7.1	3.0500	.35000	37.000	10-0-5:	.1270-01	11720-01	.3567-03	. 2938-03	.3995-03	. 2080	2.413	540.3	
17	3.0000	.37500	38.000	.2560-01	.2110-01	.2870-01	.5942-03	.4892-03	.6656-03	.3450	4.055	541.1	
1.7	3.0009	60004.	39.000	3140-01	.2590-01	.3520-01	.7285-03	.5996-03	.8152-03	.4230	4.987	542.:	
17	0	. 42500	40.000	10-0044.	. 3620-01	10-5084.	20-6:01.	.8380-03	.1142-02	. 5893	5.972	544.7	
1.7		.45000	41.000	10-0494.	3820-01	.5200 01	.1075-02	.8844-03	.1205-02	. 6220	7.100	5.44.2	
7.1		47500	42.000	.3850-01	3180-01	10 0884.	.8947-03	.7360-03	.1003-02	.5180	5.766	5,3.8	
17		.50000	43,000	.2620-01	.2150-01	.2940-01	.6082-03	.5006-03	.68:5-03	.3530	3.93!	542.5	
		.52500	44 000	1550-01	.1280-01	10-0+61.	.3602-03	. 2956-03	.4035-03	.2090	29,460	5+0 8	
7	ပ	, 188.	45.000	15-0921.	1030-01	16-0141.	.2908-03	.2395-03	.3258-03	. 1590	. 887	5-0.8	
۲		.60	46 000	3 0~000 6 .	50-0046.	10-0:01	.2091-03	.1722-03	.2342-03	.:220	1.327	5.9.8	
17	σ.	.65000	47.000	.7303-02	. 5800-02	-7900-02	.1630-03	.1343-03	.1825-03	10-0056.	1.010	579.4	
17	. 900	00007.	48 000	-0084.	3900-05	.5300~02	1105-03	.9103-C4	.1237-03	.6+00-01	.7130	5:18.7	
1.7	C	.75000	49.000	3:00-05	.2630-02	.3500-02	.7227.	.5955-04	40-363 8 .	10-0024.	009t.	538.2	
7:		.80009	52,000	.9000-03	.7000-03	-c001.	40-160 2 .	.1723-64	.2741-0.	1900-01	12:0	537.6	
7.	000	.8500		3900-05	.32c0- 03	50-00£ h.	40-1668	.7328-04	*C-+566.	.5200-01	6450	539.1	
<u>-</u>		.87509	52 000	.3500-02	.3000-02	50-00:4:	. 8425-04	40-0469	+0-88+6·	10-0067	0.504 10.104	2.9.5 0.0.0	
7:	3 0000	G0006.	53 000	20-0054	.3500-02	20-0064.	.1008-03	8306-04	.1129-03	.5900-01	.8193	0 0 m	
۲-	000	.92500	84 CCO	50-CC:4.	20-00-5	20-0094.	.953!-04	+0-0ca/ .	.1357-03	10-0090.	000.	n:n:n	
1.7	•	.95000	55.000	.3500-02	50-0062	-000m	.8253-24	40-6679°	40-1426.	10-0084	DEBT.		
1.7	•	0000 ≥ .	7: 000	10-022	.3060-01	10-6414	.8525-03	7088-03	.9575-03	0 1 1 1	5 5 5 5	+ · · · · · · · · · · · · · · · · · · ·	
1.1	0000	.82530	32 000	27:30-31	. 2220-01	.30 <u>2</u> 0-01	.6250-03	5140-03	.7007-03	6,95	£ 553	944.9	
1.1		.25000	73.000	.2280-0:	16-0781.	. 2550-01	.5276-03	1340-03	.5913-03	. 3050	3.577	0 . 11. 10.	
1.7	0000	.27500	74 000	1840-01	1510-0151.	.2350-01	.4257-03	.3503-03	.477:-03	. 2450	3 051	543.4	
_		.30003	55.000	10-0191.	10-0221.	.18:0-01	. 735-03	3075-03	.4175-03	.2170	2.8+3	2 10 10	
17		.32500	57 000	10-0075.	.2220-01	.3030-0:	.£ 50-03	.5151-03	.7015-03	. 3630	4 755	543 0	
71	.039	.35000	58.600	10-0914	.3420-01	.4660-01	.9637-03	.7923-03	. 1081-02	.5560	7,273	а, с. 1	
7.1	0000	.27500	59 000	.3860-01	.3:80-01	.4330-01	.8954-03	.7364-03	.1004-02	.5170	6.776	- C - C - C - C - C - C - C - C - C - C	
7.1	cı	00004.	60.300	10-0042.	10-0/61.	.2690-01	.5551-03	.4576-03	.6231-03	. 3220	4.228	ייני פיני פיני	
7:	. 053	,42500	61,332	10-0251.	16-0651.	10-0921.	.3645-03	3000-03	.4383-03	.2120	5.775	7.1.50	

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HEATING DATA ON ORBITER FUSELAGE PORT
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DATE 07 OCT 75	27 75		OH-74 (AED)	04-74 (AEDC V418-884) HEATING DATA ON ORBITER FUSELAGE PORT	HEATING	DATA ON OR	BITER FUSEI	LAGE PORT !	SIDE			PAGE 24
				0H-74 (AE)	DC V+12-88	A) B62C12F	OH-가: (AEDC V4:2-88A) 862C12F10M18M127E52VBR19	52VBR19				(RVB001)
RUN T	TRACE	x/k	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R-TAW	H(910) 81U/ R F128EC	H(TO) BTU/ R FTRSEC	HITAM) BTU/ R	3001 81U/ F188EC	DEG. R	TH DEG. R
17 4.	0000	45000	38.000	10-0411	SV-00+0.	1280-01	.2645-03	.2:78-03	.2963-03	0.01	1.993	\$. [\$0
17 4.	0000	.47500	63.000	8900-05	.7300-02	-9900-02	. 2052-03	.1890-03	. 2299-03	. 1190	1.58.1	9.040
17 4.	4.1300	. 50000	000. ₹0	. 7600-02	.6200-02	.8500-02	. 1754-03	. 1444-03	. 1964-03	. 1020	1.265	540.4
17 .	0000	.52500	65.000	.6700-02	.5600-02	.7600-02	•	.1287-03	.1750-03	10-0016.	1.128	540.3
17 4.	0000	.53000	66.000	.6300-02	.5200-02	.7000-02	.1458-03	.1201-03	.1633-03	10-0058	0266.	240 0
17 4.	0000	.60000	67.000	.4200-02	.3400-02	50-004.		40-7767 .	1084-03	.5500-01	.6370	539 3
17 4.	0000	.65000	68.000	.3000-02	.2500 02	.3400-02	.6974-04	.5745-04	,7808-04	10-0014.	.4780	539 !
17 4.	0000	.76000	69.000	50-0042.	. 1900-02	.2600-02		4506-04	.6126-04	.3200-01	.3560	539 4
17 4.	0000	. 75000	70.000	. 1600-02	.1300-02	.1700-02	.3516-04	,2980-04	40-6404	.2100-01	eaco.	538 1
17 7.	0000	00008	75.000	.2000-03	.1090-03	.2000-03	-	.3128-05	.4250-05	. 2000-02	.2700-01	536 5
17 4	2000	97500.	27.000	.8000-03	.7000-03	.9000-03	. 1872-04	1543-04	-9602	1100-011	. 1440	537 8
17 4.	3500	00006.	78.000	.9000-03	.8000-03	. 1000-02	.2138-04	.1762-04	+D-+6£2°	10-0021	. 1620	539 0
17 4.	0000	.92500	79.000	13-000Z.	.1700-02	.2200-02	.4652-04	.3833-04	.5208-04	10-0075.	.3370	538 9
	0000	95000	80.000	1700-02	20-0041	20-0061	10-0022, 40-5844, 40-1862, 40-4862, 20-0061, 20-0041, 20-0021,	.3281-04	4462-04	.2300-01	.2710	538.4

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DATE 07	90 200 6		GE-174 (AEDC	GHIDA (AEDC V418-73A)		HEATING DATA ON ORBITER FUSELAGE PORT SIDE	BITER FUSE	LAGE PORT	Stoe			62 35rd
				OH-7" (AE)	DC V418-88	OH-7" (AEDC V418-88A) BB2C12F10M16W127E52VBR19	10H16H127E	52V8R19				(RV-3001)
ORB! TER	DRBITER FUSEL AGE							PARAM	PARAMETRIC DATA			
					BETA	0000.	MACH	• 8.000	ELEVON .	0000	RUDDER .	0000.
					•••1ES	***TEST CONJITIONS***	•••S					
2	MACE	PHA	£.	10	ž	YAH	۰	a .	o	>	Cha	£
NUMBER		DEG.	P51A	DEG. R	DEG.	050.	DEG. R	PS1A	PSIA	FT/SEC	SLUGS /FT3	LB-SEC
19	7.940	29.72	1.69.7	1249.	180.0	.0000	91.80	.2000-01	0006.	3727.	.1865-04	.7389-07
RUN NON	RN/L	HREF	STN NO									
	7FT	FT2SEC	2r10.									
18	6076 .	.2314-01	10-4214									
					•	***TEST DATA***	:					
ş	TRACE	٦/×	T/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HITAHI	000	דסירום	7
NUMBER				R-0.9	8-1.0	R-TAW	81U/ R	BTU/ R	81U/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FIRSEC	FT2SEC	FTZSEC	7550	
9:	1.0000	.27500	1.0000	. 1260-01	.1030-01	10-0141.	.2907-03	.2394-03	.3255-03	.1700	1.759	541.1
19	1.0000	30000	2.0000	.:220-01	10-0001.	.1360-01	.2816-03	.2319-03	.3153-03	J+91.	. 746	540.7
<u> </u>	0000.:	.32500	3.0000 5.0000	1060-01	50-0078	10-081	20-8445.	20-7105.	20-14/2.	05.4.	703	540.1
	1.0000	00004.	6.000	10-0181.	10-06+1.	.2030-01	.4187-03	.3**8-03	.4589-03	2440	2.5.5	540.7
62	1.0000	.42500	7.0000	10-0+02.	.1680-01	.2290-01	.4725-03	.3891-03	.5292-03	.2750	2.853	ر ا ا
18	1.0000	. 45000	0.000	.2360-01	10-0-61.	.2840-01	5462-03	20-2655	.6118-03	.3190	3.25¢	541.7
<u>6</u>	1.0000	147500	9.0000	7560-01	10-0004	.2980-0:	.5155-03	5075-03	.6906-33	0698.	3.551 4.065	יי ליי הייליני הייליני
ō ĕ	1.0000	. 1885.23	000.1	10-0162.	.2310-01	.3150-01	.6508-03	.5357-03	.7292-03	.3780	3 835	542.1
00	1.0000	. 55000	12 000	.2340-01	1930-01	.2620-01	.5420-03	.4463-03	.6072-03	.3160	3.170	541.9
99	1.3383	.60000	13 000	10-08-11	1220-01	.1663-0:	3421-03	.2817-03	.383!-03	066;	5.055	541.1
18	1.0000	.65090	14.830	10-0-21.	10-0201.	1390-01	.2863-33	.2358-03	.3205-03	0.1670	1.694	540.8
18	1.0000	20007.	:5 300	5 0-00,6.	.7530-02	10-6101.	.2097-03	. 1729-03	. 2348-93	. 1220	66	540.0
uo i	1.0300	.75090	16.003	50-0008.	50-0399.	50-0006.	1852-03	526-03	.2073-03 .001-04	0801.	001.1	2.36.5 7.92.7
D	1.0000	0.0000	1000	00-0041 0-0041	1350-051	1520-05	. 3235-03	. 25655-03	3523-03	.1890	2.218	7. C. D
. c	2.000	.33700	19.003	1350-01	10-0111	1510-01	.3127-03	.2576-03	.3512-03	. 1630	2.156	540.2
0 00	2.0202	00068.	20.000	.2990-01	.2370-01	.3230-01	.6659-03	.549!-03	.7476-03	.3880	4.583	541,7
99	2.0000	.42603	21.000	.3400-01	.2800-01	. 38:0-01	. 7876-03	. 5482-03	.8925-03	.4570	5.364	543.4
19	2.0000	00864.	22.000	10-0462.	.2420-01	.3300-01	.6911-03	,5606-03	.7630-03	.3960	£.4.3	542.5
18	2.0000	.53000	23.000	.1570-01	1370-01	.1870-01	.3863-03	.3181-03	.4327-03	.2250	2.510	541.5

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PAGE 26

NUMBER	TRALE	X	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAH)	J 000	OTMOT	3
				R=0.9	R=1.0	D-TAH	BTU/ R	BTU/ R	BTU/ R	B TU/	OEG. R	DEG. R
							FT2SEC	FT2SEC	FTPSEC	FT2SEC	755	6
18	2.0000	.56700	24 .000	.1120-01	-9300-02	. 1260-01	. 2601-03	.2142-03	. 2913-03	. 1520	1.651	6.040
9	2.0000	.62000	25.000	.9100-02	.7500-02	. 1020-01	.2111-03	.1739-03	.2364-03	.1230	1.342	540.2
60	2.1.330	.67000	26.000	.5200-02	. 4200-02	.5800-02	.1192-03	.9823-04	.1335-03	.7000-01	. 7590	539.4
9	2.3000	.70500	27.000	S0-0014.	.3400-02	.4600-02	·0-1446.	+0-1877	.1057-03	.5500-01	.5970	538.5
18	2.0000	.75000	28.000	.2600-02	. 2200-02	.3000-02	.6120-04	.5045-04	.6849-04	.3600-01	.3950	537.7
18	2.0000	.80000	29.000	.1100-02	.9000-03	.1300-02	. 2621-04	.2160-04	.2933-04	1500-01	1700	537.6
81	2.0000	.82400	30.000	.2000-03	.2000-03	.2000-03	.4833-05	. 3984-05	5409-05	. 3000-02	10-0004	537.9
8	3.0000	. 20300	31.000	.3010-01	.2470-01	.3370-01	.6957-03	.5723-03	.7797-03	.4030	4.276	544.6
8	3.0000	.22500	32.000	.2520-01	.2070-01	.2820-01	.5833-03	.4800-03	.6536-03	.3390	3.792	543.6
80	3.0000	. 25000	33.000	10-0661.	10-049:	. 2230-01	.4600-03	.3788-03	.5153-03	. 2580	3.002	541.8
0	3.0000	.27500	34.000	.1570-01	.1300-01	.1760-01	.3644-03	.3001-03	.4080-03	.2130	2.551	540.6
'n	3.0000	.30000	35.000	.1380-01	10-0+11.	1550-01	.3196-03	. 2633-03	.3579-03	.1870	2.316	540.0
8	3.0000	. 32530	36.000	.1630-01	10-0%1.	.1830-01	.3776-03	.3110-03	. 4228-03	.2200	2.591	540.1
8	7.0000	.35005	37.000	. 2556-01	.2100-01	.2850-01	.5892-03	.4852-03	.6599-03	.3430	3.989	541.4
8	0000 5	.37500	35 000	.3730-01	.3070-01	.4180-01	.6530-03	.7104-03	.9668-03	.5020	5.888	542.6
8	0000	00004	39.000	.2720-01	.2240-01	.3050-01	.6306-03	.5193-03	.7064-03	.3670	4.334	541.7
8	2 :00	. 42500	40.000	2460-01	.2030-01	.2760-01	.5704-03	.4695-03	.6390-03	.3320	3.935	542.4
æ	3.0000	45000	41.000	10-0561.	10-0191	.2190-01	.4515-03	.3718-03	.5057-03	. 2630	3.011	541.3
œ	3.0000	147500	42.000	.1540-01	.1270-01	.1730-01	.3574-03	.2943-03	.4002-03	.2080	2.325	540.9
8.	3 0000	.50000	43 100	10-0611.	.9800-02	1340-01	.2750-03	.2273-03	.3091-03	.1510	367.1	541.1
ō.	3.0095	.52500	44.000	.8700-02	.7200-02	.9700-02	.2009-03	.1655-03	.2249-03	0.111.	1.379	540.0
וח	3 5000	.55000	45.000	.8100-02	.6600-02	- 30006	.1865-03	.1536-03	.2088-03	. 1090	1.216	539.8
69	3,0000	. 60000	46.000	.6200-02	5100-05	.6900-02	.1432-03	.1180-03	.1603-03	.8400-01	.9120	539.4
e,	3.0000	.65000	47.000	.3900-02	.3200-02	50-00+h.	.9021 -04	.7435-04	.1010-03	.5300-01	. 5620	538.7
8	3 0000	.70000	48.000	.2400-02	.2000-02	SO-0075.	.5611-04	.4626-04	.ທ-0829 .	3300-01	.3640	537.9
6	3.0930	.75000	49.003	. 1509-02	. 1200-02	.1700-02	.3463-04	.2855-04	.3875-04	. 2000-01	. 2220	537.3
ē	3 0000	.80000	50.000	.1400-02	.1100-02	.1500-02	. 3132-04	.2583-04	.3506-04	1800-01	. 1980	537.4
a)	7.3300	.85309	51.000	.0000	.0000	. 0000	.5977-06	.4927-05	. 6690- 06	0000.	20-000h.	538.4
60	3.0000	.87500	52.000	.7000-r.3	6000-03	.8000-03	.1558-04	1284-04	+0-++/	. 9000 - 05	. 1 i 30	538.5
m	3.0000	00006	53.000	.7000-03	.6000-03	.8000-03	.1.26-04	.1283-04	.1742-04	-0006.	0.51.	538.8
, GO	3 0000	.92500	54.000	.5000-03	.5000-03	.7000-03	1384-04	±0-1+:1.	.1550-04	. 8000-05	. 1050	538.8
à	3,0005	.95000	55.000	.5000-03	.4000-03	.6000-03	1199-04	3 0-84-05	. 1342-04	. 7000-02	.7:09-01	538.5
ω	C000 h	.20000	7:.000	.3520-01	.2900-01	. 3950-01	.8153-03	.6702-03	.9143-03	.4700	5.363	547.3
m	0000	. 22500	72 000	.2739-01	.2240-01	.3063-01	.6315-03	.5195-03	.7078-03	. 3660	4.288	544.7
a)	00000	.25000	73 000	.2080-01	1710-01	.2330-01	.4803-03	. 3953-03	. 5382-03	.2790	3.271	543.4
G 0	4 0000	66275.	74.000	1990-01	.1640-01	.2230-01	.4507-03	.3792-03	.5162-03	. 2580	3.314	543.1
6	4.5000	35000	56.000	.2030-01	10-0-91.	.2270-01	.4696-03	.3866-03	.5260-03	.2730	3.585	542.1
ā	4.000G	.32500	57 000	.3260-01	.2700-01	.3680-01	.7594-03	.6249-03	.85 0-03	0144	5.776	543.0
œ,	0000	.35000	58 300	.2820-01	.2320-01	.3160-01	.6535-03	.5380-03	.7324-03	.3800	4.978	543.6
ë	4.3000	.37500	59 300	1750-01	1440-01	10-0961	.40~1-03	.3327-03	.4526-03	. 2350	3.087	541.7
a o	4 0000	0000h"	60.009	10-0821.	10-0501	19-02-1	.2962-03	.2439-03	.3217-03	.1730	2.266	541.1
00	4.000	40504	000	9500-030	כטייטטר	10001	40.4666	20-120:	2000		007	ט טייש
	٠	7711		, , ,	00000	10-0001		1001	50-06-5.	000.		0.0

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DATE 07	DATE 07 0C: 77		0H-74 (/ 200	CH-74 ((200 V418-88A)	HEATING D	HEATING DATA ON ORBITER FUSELAGE PORT	ITER FUSEL	AGE PORT S	SIDE			PAGE 27
				OH-74 (4ED	C V418-88A	24-74 (AEDC V418-88A) 862C12F10M16M127E52V8R19	OM164127ES	2VBR19				(RVB001)
RUN	TRA E	*	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R=TAH	H(910) BTU/ R	H(TO) BTU/ R	HITAHI BTU/ R	0001 BTU/	OTWOT DEG. R	TW DCG. R
	000	786	2.5	50-0308	5000-05	500-002	F12SEC .1392-03	FT2SEC . 1147-03	F125EC .1559-03	F125EC .8100-01	/SEC 1.037	540.2
<u> </u>	0000 F	20005.	64.000	SC-0084.	. 3900-02	.5300-02	.1100-03	.9062-04	. 1232-03	.6400-01	0797.	540.0
2 20	4.7300	. 52500	92 000	20-001m	3400-05	4600-02	.9454-04	٠٥-68٢٢.	1059-03	.5500-01	.6850	539.9
81	4.0000	.55000	66.003	_;;-50 6£ ;	.3200-62	20-0044.	P0-0016.	.7498-04	1019-03		.6250	539.4
90	€.0000	. 60000	67.500	.260g-CJ	.27)0-02	. 2 900-02	.6061-04	+0-966+	.6785-04		0004.	558.7
81	€,0000	.65000	69,000	50-0021.	50-0001.	S0-0041.	40-0462	.2453-04 0::0	.3291-04	10-00/1.	. בענים בענים	538.6 538.6
9	4.0000	,76000	F3.000	50-00:1.	£0-0006.	300-02	.2506-04 50ut-05	40-8412.	. 231 /-04 6652-05	10-0061.	10-0065	537.6
9 9	0000	.75050	76.863	0-03 .80C0-03	£0-0007.	.9000-03	1897-04	.1564-04	.2123-04	10-0011.	0481.	538.2
0 0	0000	.85000	76.000	1400-00	50-0011.	.1530-02	3184-04	.2626-04	.3562-04	1900-01	. 2230	536.5
2 22	4.0000	.87500	000.77	.5000-03	£0-0004.	.5000-03	.1098-04	.9053-05	1229-04	-00009.	.8500-01	537.5
6	7000.4	.90000	78 COO	.3000-03	3300-03	.4000-03	.7542-05	.6217-05	.8441-05	20-000h.	10-00/5.	557.9
9	4.0009	.92500	79.000	7000-03	.6090-03	.8000-03	.1621-04	.1337-04	. 1815-04	.1000-01	0811.	7.7.7
18	2000.⊁	30056.	90.08	.1700-02	20-00+1.	. 1900-02	. 3984 - 04	.3281-04	+0-29+4.	.2300-01	o () v	2.00

OH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	OH-74 (AEDC V418-98A) BG2C12F10M16W127E52V9R19	PARAHETRIC DATA
DATE 07 UCT 75		ORBITER FUSELAGE

(RVB001) PAGE 28

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					BETA	BETA 0000	00 HACH	MACH - 8.000	ELEVON	ELEVON	RUDDER 0000	0000
					531•••	***TEST CONDITIONS***	10NS•••					
Ş	MACH	ALPHA	5	5	Ŧ	YAH	j-	٥	o	>	SHO OH	₹
NUMBER		DEG.	₹	DEG. R	DEG.	DEG.	DEG. R	PSIA	PS14	FT/SEC	SLUGS	335-BT
51	7.940	34.80	189.0	1251.	180.0	. 0000	91.90	.2000-01	0.6970	3730.	.1855-04	740:-04
Š		HREF	STN NO									
NUMBER		81.J. R										
		FT2SEC										
61	.9352	.2311-01										

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Z	TRACE	×	1/C NO	H/+ REF	H/HREF	H/HREF	H(910)	H: 701	H(TAH)	4000	DTMDT	7
A PER	•	,		R=0.9	R-1.0	R-TAH	BTU/ R	BTU. R	BTU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FTZSEC	F. 25EC	FIZSEC	7550	
61	1.0060	.27500	1 ,000	1570-01	1290-01	1760-01	.3625-03	2987-03	.4058-03	. 2 120	2.206	539.8
0.	1.0000	30000	0000 Z	.1360-01	11:20-01	.1520-01	3139-03	. 2587-03	.3514-03	. 1840	1.955	539.9
<u>-</u>	1.0000	.32500	3.0000	. 1230-01	.1010-01	1370-01	.2832-03	. 2334-03	.3170-03	.:660	1.709	537 -
ġ.	5000 1	35000	0.00	10-0421.	1020-01	1390-01	.2862-03	. 2358-93	. 3203-03	.1690	1.743	539.4
<u> </u>	1.0000	.37500	5.327.3	.1760-01	1450-01	1970-01	.4061-03	.3346-03	.4547-03	.2380	2.504	540.1
C.	000	00001	3000.9	.2310-01	10-0061.	.2590-01	.5337-03	.4397-03	.5975-03	3.80	3.213	540.6
5	1.0000	42500	7.0000	13-087:	1470-01	.2000-01	.4118-03	.3393-03	.4611-03	. P4 1.0	2.502	540.7
0	1.0000	70054	8.0030	10-0-52	.2090-01	.2840-01	.585!-03	.4828-03	.6563-03	.3430	3.509	541.0
0	1.0030	30564.	9.0006	.2813-01	.2320-0:	.3150-01	.6501-03	. 5354-03	.7281-03	.3800	3.866	542.0
6	1.0000	50000	10.536	.1790-0:	1470-01	.2000-01	4126-03	.3399-03	.4613-03	.2420	2.450	5+0.5
0	5000 1	.52500	11.000	10-0822	.1860-01	2550-01	.5274-03	.4345-03	. 5906-03	.3080	3.129	541.3
JT	0000	00033	C00 2:	10-0061.	.1570-01	.2130-01	.4399-03	. 3624-03	.4925-03	.2570	2.588	£+0.5
0	1 3300	.6000	13.000	1383-01	10-0901.	.1470-01	.3040-03	.2505-03	3404-03	.1780	1.805	£ 349
ō.	1.0000	32259.	14.300	10-3521.	10-0-01	14-02-11	.2927-63	.2412-03	.3276-03	.1720	1.741	€38.8
o o o	0006	ננסטר.	15 000	50-0069°	50-00/¢.	. 1709-02	1594-03	.1314-03	.1784-03	10-0046	.9170	538.8
•	1 5009	0000	6.000	5400-05	-3-3J02.	-2700-02	.5554-04	40-7854.	.6227-04	3300-01	.3320	538.6
6	3000	30308.	17 00	,4000-03	.3000-03	£0-000m	. 8844-05	.7293-05	3886-05	5000-05	.5100-01	57.6
<u>.</u>	2 3333	28530	18 850	1583-01	1330-01	1770-01	3548-03	.3037-03	.4034-03	.2140	2.516	539.2
on -	2000 2	33700	200.€.	15-03-01	1290-01	1750-01	.3507-03	.2974-03	.4038-03	.2120	2.505	539.0
	0000 2	35000	20.000	10-0452	2420-01	.3290-01	.6796-03	.5599-03	.7609-03	.3980	4.697	3.01G
ģ	5 0000	42650	2 000	.2467-01	10-0202.	.2750 01	.5679-03	.4679-03	.6359-03	.3320	7.903	540.7
5	2 0000	47800	22 000	1830-01	.1500-01	.2040-31	.4219-03	.3477-03	.4723-03	.2470	2.750	539.8

DATE 67	7 OCT 75		C4-74 (AED)	CH+74 (AEDC V419-88A)		HEATING DATA ON ORBITER FUSELAGE PORT	BITER FUSE		3015			PAGE 29
				04-74 (AE)	04-74 (AEDC V4)8-88A) 862C!2F10M16W127E52V8R19	A) B62C:2F	IOMIGMIZZE	52V8R19				(RVB00!)
AUT BER	TRATE	איר	1/C NO	H/HREF R=0.5	H/HREF R=1.0	H/HREF R=TAW	H(910) BTU/ R	H(10) BTU/ R	HCTAN) BTU/ R	abot BTU/	DEG. R	TW 056. R
51	2000	53000	23,000	,	10-060	1980-01	3064-03	2525-03	F 125EC	FESEC	7.5EC	976
6		.56700	500°.≯d	2777	-9100-05	. 1230-01	.2548-03	.2100-03	.2852-03	. 1500	1.629	539.1
6	2,1300	.62000	25,000	.8000-03	. 660C - 02	. 890n-02	.1846-03	.1522-03	.2066-03	.1080	1.192	538.5
οē	€.0000	.67000	26.000	.5600-12	.5400-02	.7400-02	.1520-03	. 1254-03	.1701-03	10-0068	.9760	537.3
6	2.0002	. 70500	27.000	23-00 6 %	50-000h.	.5500-02	.1134-03	.9352-04	.1268-03	.6700-01	.7210	536.8
6	2.0000	.75900	28.000	30-002:	.9000-03	. 1300-02	.2659-04	. 2194-04	·0-+/62.	10-0091	.1730	535.9
<u>o</u> :	2.0000	5000B.	200.62	50-0001.	. 8000-03	-1100-02	-2216-04	. 1828-04	40-642	1330-01	. 1450	536.4
<u>n</u> c	€.0003	. 8245D	30.000	1000-03	.1000-03	1000-03	1439-05	1186-05	1610-05	50-001.	. 1230-01	537.2
n o	3 6000	מטנולל.	32.003	יים בישונת.	. 2250-01	3070-01	6333-03	5215-03	7034-05	3700	0 t t	547.5
<u>.</u>	3 0000	.25000	33 00.	.20£3-C1	10-7631.	2309-03	4737-03	3903-03	.5304-03	0775.	3.111	7.075
61		. 27500	34 000	10-09911	. 1370-01	.1950-01	.3843-03	.3169-03	. +302-03	. 2260	6 .708	538.9
5	3,0000	.30000	35.036	10-00*1.	.1150-01	.1560-0	.3225-03	.2660-03	.3610-03	0661.	2.354	538.0
19	3.0005	.32500		.2110-01	10-0461.	.2360-01	19-5784.	.4017-03	.5453-03	.2850	3.364	538.7
ō	3.0000	35000	37 000	.3170-01	. 26:0 -01	.3550-01	7325-03	.6036-03	. 8200-03	0624.	166.4	539 S
<u>.</u>		.37500	38.003	.2860-01	.2350-01	. 3200-31	.6599-03	.5438-03	.7387-03	.3870	\$. U. \$	539.8
6	3 0000	5000 1 .		1110-01	1410-01	1910-01	2941-03	.3248-03	.4411-03	.2310	2.733	539.1
6	3.0000	2500	000 07	.2500-01	. 1650-01	.2240-01	.4616-03	3804-03	5168-03	.2710	3.0.K	539.7
6	0000 . M	00054.	000.14	.15+0-01	1270-01	1725-01	.3554-03	.2929-03	.3977-03	. 2090	2.390	538.8
6	3 0000	.47599	000 N	10-0821.	10-0901	10-0441	.2975-03	.2452-03	50-0255.	.1750	0 t 0 t	539.
ō.		0000g.	43.000	10-02017	-9500-0 2	.1153-01	. 2381 -03	.1963-03	.25·5-03	1400	. 562	535 8
<u>n</u> :	3 0000	.52500	000 (t	50-0054.	57 0029.	5r-30v8.	. 1735-03	.1430-03	ED-1761.	.: csc	1.199	538.0
<u>.</u>		. 55360	45.000 0.000	50 -0350.	.5700-02	50-0077	1584-03	.1306-03	1772-03	.9309-01	100	537.8
<u>n</u> 9	2000 5	000000	19.000		20-000x	20-00-0	50-611. 01:00	- 96.30-04 6003	. 1656-05 0:08	10-0009.	0000	357.3
<u>.</u>	3. Jugo	00000	000.74	90-00/6.	50-000g.	01.0014.	10-87-87	#3-555G.	10-0855.	10-0000	י אני. הראק	330.0
. 6	0000 M	75000	000.64	.7000-03	£0-0009.	80-0008	1625-04	10-11ET	1818-04	10-0001	.1050	535.8
6		e0000	50.000	. 5000-03	E0-0004.	.6000-03	181-04	30-146.	. 1321-04	.7000-02	. /500-01	535.9
Ç.	3.0000	.85000	51.000	SC-3012.	. 1830-02	.2400-C2	.4923-04	+0-090+	.5508-04	.2900-0:	.3630	536.9
<u>6</u>	3 0000	00 578 .	52,000	.7000-03	.6000-03	.8000-03	1580-04	.1303-64	٠١769-04	.9J00-05	1150	533.0
6	•	500 5 .	53.000	-3-360 9 .	.7000-03	.9000-03	0-216:	.1570 04	40-0412°	10-0011	1570	538.2
ō.		.92530	54.030	.1302-02	.1030-02	20-0041.	+0-+2 62 .		.3272-04	1200-01	. 2863	538.2
<u>o</u>		95000	55.000	1900-05	.1500-02	20-002.	40-2124.	3473-04	50-5-cs.	.2500-01	. 25.0	538.3
<u>.</u>	683.	2000	71.000	.3396-0:	10-36-2.	.3803-01	.7829-03	5438-33	.8777-93	.4530	5 1/3	9,0,0
<u>.</u>	¥,0000	.22530		. 2570-01	10-02:2.	.29901	. 5946-03	£C-+684.	5552-03	3463	ற்ற மே ச	545.8
<u>5</u>	2000	25000		. 2210-01	.1820-01	.2483-01	.5115-03	.4212-03	.5739-03	980	3.501	542.6
<u>.</u>	0000 *	.27500	000 #	2:70-0:	10-0661	.2430-01	.50:6-03	.4130-03	.5618-03	. 2930	3.626	542.3
<u>6</u>	0000	.3000	56,000	.2500-01	10-04.5.	.2310-01	.6005-03	£0-2464.	.67?4-03	.3510	۴.612	8,040
<u>5</u>		.32500	57.00C	.2680-01	10-0122	.3010-01	.6.03-03	.5109-03	.5945-03	.3630	4.750	54.
<u>5</u>		.35000	58.000	16-0-91	.1550-01	10-0402.	.4207-03	.3467-03	£0-1125	.2463	3.235	540.3
<u>5</u>	•	. 37500	25 000	.1469-01	15-05-01	. 1660-01	.3424-03	.2822-03	.3832-03	.2019	2.637	539.5
<u>6</u>	0000	00004		1100-01	20-03:6.	. 1230-01	.2543-03	.2096-03	. 2846-03 2000	0591.	P.C. 1.	C.55.0
<u>5</u>		.42590	51 555	20-0008	. 5 600-0 2	≥c-366 A .	.:845-C3	561-03	. gc65-03	CBD:	. 403	3.85C

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REPRODUCTO THY OF THE ORDER

DATE O'	JATE 07 OCT 75		OH-74 (AEDC V418-864) HEATING DATA ON ORBITER FUSELADE PORT	V418-864)	HEATING C	DATA ON OR	BITER FUSEL	.AOE PORT !	SIDE			PAGE 3
				0H-74 (AED	C V418-88A	U BEECIEF	DH-74 (AEDC V418-88A) BGZC12F1DM18M127EGZV8719	911:8VB5				(RVB001
5	TRA C	X/L	1/C NO	39577X	H/HREF	H/HREF	H(910)	H(10)	M(TAW)	2000 1000	DTWOT DEG. R	1¥ 0€0.
					•		FT2SEC	FTZSEC	FT2SE	FT2SEC)35 <i>/</i>	
@	4.0000	00067	62.000	-0009	49C0-02	.6700-02	.1378-03	•	.1542-03	.8100-01	1.050	539.0
<u>.</u>	4.0000	305°4.	53.000	-4800-05	€0-000t,	5400-05	.1108-03	.9131-04	. 1240-03	.6500-01	.8300	9 .
6.	4.1300	.50000	94.000	SC-0004.	.3300-02	-4500-02	.9295-04		.1040-03	.5500-01	.6780	ع : د
ũ	\$. Jooo	.52500	55.000	.3730-02	50-0018.	50-0054.	.8611-04	40-6601.	.9637-04	.5100-01	.6280	538.4
 0	4.0000	.55000	56.000	310 -02	S0-0028.	3400-05	₽C-7707.	.5835-04	.7919-04	.4200-01	0684	538.2
σ.	£.0000	.60000	67.000	. 1900-02	.1500-02	50-0015.	4282-04	.353 +-04	4795-C4	.2500-01	. 2850	37.5
0	0000.+	. 55000	68 600	.1000-02	.P000 03	.1100-02	. 2263-04	1866-04	. 2532-04	1300-01	.1570	537.3
σ	4.0000	.75000	70.000	.6000-03	.5000-03	.6000-03	.1281-04	1057-04	.1433-04	.8000-02	10-0048	536.
<u></u>	4.3000	.80000	75.000	.5000-03	.4000-03	.6000-03	1225-04	1011-04	1371-04	-0000L	.8730-01	537.4
6	2000	.60000	76.000	£0-000+'	.3000-03	.4000-03	8975-05	.7401-05	10-1001	.5000-62	.6300-01	537.6
5	4.0300	n6578.	77.009	.4000-03	£0-000h.	.5000-03	105:-04	8420-05	+0-5+11.	.6000-02	10-0064.	537.0
ō	0000 ±	30006.	78.000	.7000-03	.6000-03	.8000-03	1,668-04	.1375-04	1865-04	130001.	. 1280	537.5
?:	0000.+	92500	79.0~	. 1500-02	-1300-62	-1706-	.3580-04	.2952-04	40-S004.	.2150-01	.2610	537.9
(n	± 3000	95550	80.090	.1700-02	3400-05	50-0061.	40-486£.	.328:-04	+0-29+4.	.2300-01	.2710	538.4

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PAGE 31 OH-74 (AEDC V1,8-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE 0H-74 (AEDC V418-89A) 862C12F10M16W127E52V8R19 ORBITER FUSELAGE DATE 07 OCT 75

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PARAMETRIC DATA

- 8.000 ELEVON - .0000

TEST COND.T. JNS

MU LB-SEC /FT2 .7413-07 SLUGS /FT3 .1853-04 V FT/SEC 3733. .2000-01 .8980 PSIA DEG. R 95.10 7AH DEG. .0000 ₹ % 98 180.0 70 DEG. R 1253. STN NO R= .0175 PS 14 1.681 HREF 8 U/ R FT2SEC .2312-01 ALPHA DEG. 39.86 MACH RN/L X10 6 /FT /9334 7.940 RUN NUMBER RUN NUMBER 20

TEST DATA

3	TRACE	x/L	1/C NO	H/HREF	H/HREF	H/HREF	H(9T0)	H(10)	H(TAH)	1000	DTMD	Ŧ
NUMBER				R=0.9	R=1.0	R-TAN	BTU/ R	BTU/ R	BTU/ R	8TU/	DEG. R	DEG. P
							FT2SEC	FT2SEC	FT2SEC	FTZSEC	/SEC	
20	0000.1	.27500	1.0000	.1580-01	1300-01	1770-01	.3654-03	.3013-03	£0-060h"	.2150	2.234	539.2
20	1.0000	30000	2.0000	1370-01	.1130-01	.1530-01	.3164-03	.2609-03	.3540-03	.1870	1.985	538.1
20	1.0000	.32500	3.0000	11.70-01	-0096.	.1310-01	.2701-03	. 2227-03	.3022-03	.1590	1.636	539.1
20	00001	.35000	4.0050	11750-01	10-0541.	10-0961.	.4054-03	.3343-03	.4537-03	.2390	2.479	539.0
20	1.0000	.37500	5.0000	10-0961.	10-0191.	10-0615.	.4523-03	.3728-03	.5063-03	.2660	2.799	1.0±6
20	0030'.	40000	6.0000	.2010-01	.1550-01	.2240-01	.4636-03	.3622-03	.5189-03	.2730	2.805	539.6
20	1.0000	.42500	7.0000	1950-01	.1600-01	.2180-0!	.4501·03	.37,7-63	.5039-03	.2650	2.747	540.0
20	1.0000	.45009	8.0000	.2780-01	.2290-01	.3116-01	.6421-03	.5292-03	.7188-03	.3776	3.860	540.6
20	1.0000	.47500	9.0000	10-0781.	10-0451.	.2090-01	.4319-03	.35.99-03	.4833-03	.2540	2.587	539.9
20	1.0000	.50003	10.000	.2310-01	10-0061.	.2590-01	.53%2-03	.4402-03	.5980-03	0412.	3.185	540.1
20	1 0300	.52500	11.000	.2240-01	1840-01	.2500-01	.5173-03	.4264-03	50-1675.	3040	3.084	5+0.5
20	000001	.55000	12 035	.1770-01	11460-01	1980-0	.4096-03	.3377-03	.4585-03	٠ <u>۲</u>	2.424	539.4
20	1.0000	.60000	13.000	1460-01	10-0121.	10-0491	.3382-03	.2788-03	.3785-03	. 1990	2.020	539.2
6	1.0000	.65000	14.000	.8300-02	.6900-02	.9303-02	. 1921-03	.1584-03	.2149-03	.1130	071.1	538.5
29	1.0000	00001.	15.000	.1700-02	-1400-02	.1900-02	.3918-04	.3232-04	4383-04	.2300-01	.2270	537.4
20	1.0000	.75000	16.000	.2300-02	1900-02	.2600-02	.5365-04	40-9244.	.6001-04	.3200-01	.3220	536.8
20	1.0000	.80000	17.000	.1700-02	.1400-02	.1500-02	.3981 -04	. 3284-04	.4453-04	. 2300-01	. 2280	537.4
2	2.0000	.28500	18.000	.1450-01	1190-01	.1620-01	. 3344-03	.2757-03	.37'+2-03	. 1970	2.316	538.7
90	2.0000	.33700	19 000	.2100-01	11730-01	.2350-91	.4850-03	.3999~03	.5428-03	. 2860	3.376	538.8
20	2.0000	39000	23.000	.2150-01	1770-01	10-00-2.	.4963-03	.4092-03	.5554-02	. 2920	3.454	538.9
20	2.0000	.42600	21.000	.3070-01	.2530-01	.3440-01	.7101-03	.5953-03	.7948-03	04170	¥.904	540.0
20	2.0000	47800	22.000	10-0861.	.1630-01	.2210-01	.4573-03	.3770-03	.5117-03	. 2696	3.006	539.0

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・ 東京の東京の「東京の大学の大学のでは、東京の東京の教育を含めている。 「東京の大学の大学のでは、大学の大学のでは、「大学の大学のでは、「大学の大学の大学の大学の大学の大学の大学の大学の大学の大学の

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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

2	TRALE	x/L	1/C NO	H/HREF	H/HPEF	H/HREF	H(970)	H(10)	H(TAM)	6 00	DIMOT	
NUMBER				R=0.9	R-1.0	R=TAM	BTU/ R	BTU/ R	BYU, R	BT07	DEG. R	DEG. R
							FT2SEC	FT2SEC	FTZSEC	FTZSEC	7550	
20	2.0000	.53000	23.000	1310-01	10-0801.	1460-01	. 3024-03	.2493-03	. 3364-03	.1783	1.988	538.9
20	2.0000	.56700	24 .000	10-0001	.8200-02	1110-01	.2302-03	1839-03	. 2576-03	.1360	1.479	538.2
2	2.5.300	.62000	25.000	.6700-02	.5500-02	.7500-02	.1554-03	. 1282-03	.1739-03	.9200-01	0666.	538 0
20	2.3000	.67000	26.000	. 2000-02	.2000-02	-2700-02	.5670-0+	+678-04	.6343-04	.3300-01	.3650	537.0
ଥ	2.0030	.70500	27.000	.1000-02	.8000-03	.1100-02	.2206-04	. 1820-04	.2467-04	1300-01	01+1.	536.1
ଯ	2.0000	75000	28.000	.2700-02	.2200-02	.3000-02	.6277-04	-5181-04	.7021-04	.3700-61	0604.	535.9
2	2.0000	.80000	29.000	. 1900-02	.1600-02	-2100-05	40-5244.	.3649-04	+0-9+6+	.2500-01	.2900	536.2
ଯ	2.0000	.82400	30.000	.9000-03	.7000-03	.1000-02	.1966-04	. 1522-04	.2199-04	. 1200-01	. 1620	536.9
ည္က	3.0000	.20000	31.000	.3150-01	.2600-01	.3530-01	.7288-03	.6000-03	.8164-33	.4260	4.515	543.8
ଥ	3.0000	.22500	32.000	.2660-01	.2190-01	.2980-01	.6144-03	.5062-03	.6879-03	. \$500	4.036	541.7
20	3.0000	.25000	33.000	.2070-01	1700-01	.2310-01	.4778-03	.3939-03	.5348-03	0:83.	3.151	539.9
20	3.0000	.27500	34.000	.1590-01	.1310-01	.1780-01	. 3669-03	.3026-03	.4106-03	.2,60	2.598	538.3
20	3.0000	.30000	35.000	. 1620-01	.1340-01	10-0181.	.3745-03	.3089-03	4190-03	. ż210	2.743	537.7
20	3.0000	.32500	36.000	.2790-01	.2300-01	.3120-01	.6456-03	.5324-03	. 7224-03	.3800	4.473	538.4
20	3.0000	.35000	37.000	.2740-01	.2260-01	.3070-01	.6336-03	.5225-03	.7089-03	.3730	4.344	38.5
50	3.0000	.37500	38.00	.2:10-01	1740-01	.2360-01	.4875-03	.4020-03	.5455-03	.2870	3,379	538.3
2	3.0000	40000	39.000	10-0461.	10-0091.	.2170-01	.4475-03	.3691-03	.5007-03	.2640	3.120	539.0
8	3.0000	.42500	40.000	.1780-01	10-0741.	10-0661.	.4120-03	.3398-03	.4610-03	.2430	2.887	538.2
20	3.0000	.45000	41.000	1410-01	1160-01	1570-01	.3249-03	.2680-03	.3635-03	.1920	2.198	537.5
දි	3.0000	47500	42.000	.1210-0:	10000-01	.1360-01	.2803-03	.2312-03	.3135-03	.1650	1.848	537.5
ଥ	3.0000	.50000	43.000	.9000- 02	-00-05	.10101.	.2077-03	.1713-03	. 2324-03	. 1230	1.370	537.6
2	3.0000	.52500	44.000	.6900-02	.5700-02	50-00LL.	.1584-03	.1307-03	.1772-03	10-0046	1.101	537.0
වි	3.0000	. 55000	45.000	.6200-02	.5100-02	50-0007.	.1437-03	.1185-03	.1608-03	.8500-01	. 9 480	537.3
2	3.0000	.60000	46.000	.4500-02	.3709-02	.5000-02	.1034-03	.8530-04	.1157-03	.6100-01	.6660	536.>
02	3.0000	.65000	47.000	.2700-02	. 2200-02	.3000-02	.6222-04	.5135-04	,6959-04	3700-01	.3920	535.9
2	3.0000	.70000	48.000	.1400-02	-1200-05	. 1600-02	.3330-0	.2748-04	.3724-04	.2000-01	.2180	5 <u>5</u> 5.8
ដ	3.0000	.75630	49.000	.2500-02	S100-05	.2800-02	.5764-04	40-7574.	.6446-04	3400-01	.372.	535.6
20	3.0000	.80009	50.000	. 2200-02	.1800-02	.2400-02	.5028-04	+0-6+l+.	.5623-04	.3000-01	.3200	535.8
20	3.0000	.85000	51.000	.9060-03	.80000-03	.1100-02	.2185-04	.1803-04	.2445-04	.1300-01	.1600	537.6
8	3.0000	.8750	52.000	.1104-02	.9000-03	.1300-02	40492·	.2178-04	. 2954-04	. 1600-01	.1930	537.6
20	3.0000	.90000	53.000	.1300-02	.1100-02	.1500-02	.3076-04	.2537-04	.3442-04	.1800-01	.2530	538.2
20	3.0000	.92550	54.000	.1900-02	.1600-02	.2100-02	.4365-04	.3599-04	4984-04	.2600-01	.3380	538.4
20	3.0000	.95000	55.000	.2000-02	.1500-02	. 2200-02	40-8854.	.3783-04	.5133-04	.2700-01	.2750	538.3
20	4.6000	.20000	71.000	10-0622.	.2790-01	.3803-01	. 7846-03	.6455-03	.8794-03	. 4560	5,205	546.3
20	4.0900	.22500	72.000	.2570-01	.2120-01	.2880-01	.5950~03	.4899-03	.6664-03	.3440	4.078	543.3
2	4.0000	.25000	73.600	. 2250-01	.1860-91	.2530-01	.5231-03	.4309-03	.5858-03	.3060	3.594	542.3
20	4.0000	27500	74 000	.2340-01	10-0261	.2620-01	.5417-03	.4462-03	.6065-03	.3170	3.932	541.9
2	4.0000	.30000	56.000	.2830-01	.2340-01	.3170-01	.6553-03	.5401-03	. 7336-03	.3850	5.053	540.4
20	4.0009	.32500	57.000	.2180-01	1800-01	.2440-01	.5046-03	.4159-03	.5648-03	.2970	3.895	539.9
2	4.0000	.35000	58.000	1780-01	10-041.	10-0661	.4116-03	. 3394-03	.4607-03	.2420	3.183	539.1
20	4.0000	.37500	59.000	.1450-01	11-0611.	.1620-01	. 3343-03	.2757-03	.3741-03	. 1970	2.589	538.4
20	4.0000	40000	60.000	. 9200-02	.7600-02	.1030-01	.2124-63	.1752-03	.2377-03	. 1250	1.646	538.1
20	4.0000	.42500	61.000	.6700-02	.5500-02	.7500-02	.1545-03	. 1274-03	.1728-03	.9100-01	1.198	537.6

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OH-74 (AEDC P418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE

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DATE 07 OCT

OH-74 (AEDC V418-88A) BG2C12F10M16W12T352V8R19

PAGE 32 (RVB001)

DATE 0	OATE 07 OCT 75		OH-74 (AEDC	(V418-88A)		HEATING DATA ON ORBITER FUSELAGE	BITER FUSEL	PORT	SIDE			PAGE 33
				0H-74 (AEI	2C V418-B9	04-74 (AEDC V418-88A) BG2C12F10M16W127E52V8R1S	IOMIGHIE7E!	52V8R1S				(RVB001)
RUN	TRA	X /L	1/C NO	H/ #EF	H/HREF	H/HREF	H(910)	H(70)	. H(TAM)	1000	DIMOT	7
NUMBER				R 3.9	R=1.0	R=TAW	BTU/ R	81U/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FT2SEC	FT2SEC	/SEC	
20	4.0000	. 45000	62.000	5260-12	.4300-02	.5800-02	.1207-03	.3955-04	.1350-03	.7100-01	.9250	537.9
50	₹.0000	.47500	63.000	50-00+4·	.3600-02	50-006h.	.1020-03	.8417-04	.1142-03	.6000-01	.7690	537.6
80	4.6300	, 3000	64.000	33-00+E:	.2800-02	. 3800-02	.7901-04	6518-04	.8839-04	10-0024	.5790	537.4
20	4.3000	.52500	65.000	5.'-0D85.	.2300-02	3100-05	.6375-04	.5258-04	.7132-04	.3800-01	.4670	537.7
20	4.0000	.55000	66.000	.3100-32	. 2500-02	3400-05	40-7807 .	.5846-04	.7928-04	.4200-01	4920	537.4
2	۴.0000	.60000	67.000	.1400-02	. 1200-02	.1600-02	.3292-04	.2716-04	.3683-04		.2200	536.9
20	4.0000	.65300	69.000	. 2000-03	.2000-03	.2000-03	6,0-9454.	.3750-05	.5085-05	3000-05	.3200-01	537.0
ଯ	4.0000	.70000	69.000	20-00+1:	.1200-02	.1600-02	.3305-04	. 2727-04	.3698-04	.2000-01	.2180	537.3
20	4.0000	.75000	70.002	. 2 0000-32	.1600-02	.2200-02	4546-04	.3751-04	.5085-04	10-0075.	.3010	536.5
20	4.0000	.80000	75.000	.6000-03	.5000-03	.60000-03	4C-24E1.	.1107-04	.1501-04	.8000-02	.9600-01	537.3
ଯ	4.0000	.87500	77.000	.1400-02	.1100-02	.1600-02	.3216-04	.2655-04	.3600-04	10-0061.	.2500	537.0
20	4.0000	00006.	78.000	.2400-02	.2000-02	.2709-02	. 5523-04	.4556-04	.6180-04	.3300-0;	0.454.	537.6
20	4.0000	.92500	79.000	50-0062.	-2400-05	.3200-02	.66%-04	-5490-04	.7446-04	.3900-01	.4880	537.6
20	٠, 0000	.95000	80.000	. 1700-02	-1400-05	≥0-0061.	40-485E.	. 3281-04	40-2944.	.2300-01	.2710	538.4

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DATE 07	DATE 07 OCT 75		CH-74 (AEDC V418-88A)	V418-88A)		HE ITING DATA ON ORBITER FUSELAGE PORT SIDE	BITER FUSEI	AGE PORT	3016			PAGE 34
				0H-74 (AE	XC V418-B8,	04-74 (AEDC V4:8-88A) 862C12F10M18W127E52V8R19	10M164/127E!	52V8R19				(RVB001)
04B11ER	ORBITER FUSE, AGE							PARAM	PARAMETRIC DATA			
					BETA	. 0000	НАСН	• 8.000	ELEVON .	0000.	RUDDER .	. 0000
					*** TES	***TEST CONDITIONS***	***\$					
RUN NUMBER	MACH	ALPHA DEG.	PS14	70 DEG. R	PH1 DE6.	YAW DEG.	1 DEG. R	P <u>₹</u>	o 🐇	V FT/SEC	RHO Si. UGS	HU LB-SEC
ä	7.940	43.87	4.061	1254.	180.0	. 0000	92.10	.2000-01	0+06	3735.	. 1865-04	70-6147.
RUN	RN/L X10 6 /FT	HREF BTU/ R FT2SEC	STN NO R= .0175									
<u>5</u>	.9387	.2320-01	.4176-01									
						TEST DATA	:					
PCN	TRACE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	н(10)	H(TAW)	1000	DTWDT	7
NUMBER				R=0.9	R=1.0	R=TAW	BTU/ R	8TU/R	BTU/ R	9TU/	DEG. R	0EG. R
							FT2SEC	FT2SEC	FT2SEC	FIZSEC	7.560	
2 5	1.0060	30000	1.0000	. 1340-01	10-0011.	1490-01	3099-03	. 2555-03	3469-03	, 1830	1.895	539.B 539.5
: ñ	1.0000	.32500	3.0000	1330-01	.1100-01	1490-01	.3086-03	.2545-03	3453-03	.1920	1.872	539.2
21	1.0000	.35000	4.0000	.2120-0.	10-05/1.	.2380-01	. 4928-03	.4053-03	,5515-03	.2900	3.016	539.4
	1.0000	.37500	5.000c	1980-01	. 1630-01	10-0155.	.4588-03	.3782-03	.5135-03	.2700	ים ה האפרים האפרים	3,076
นี้ถึง	1.0000	00004.	7.0000	. 2450-01	. 2020-01	27.40-01	.5680-03	.4682-03	.6358-03	.3340	3.467	540.6
2	1.0000	.45000	8.0000	.2300-61	10-0061.	.2570-01	.5336-03	.4399-03	.5972-03	.3140	3.216	.0.0
ċ	0000.1	.47500	9.0000	19-0515.	1750-01	.2380-01	.4931-03	.4065-03	.5518-03	2900	2.956	540.0
		59969	10.009	10-0055	10-0461	2350-01	. 1864-03	50-0104	50-1119.	.2860	2.907	539.7
ີ່ເ	1.0000	. 55000	12.000	.:670-31	.1380-01	1870-01	.3872-03	.3193-03	,4333-03	. 2280	2.296	539.2
15	1.0000	.60000	13.000	1180-01	.9800-02	1330-01	.2749-03	. 2267-03	.3076-03	. 1620	1.645	539.1
21	1.0000	.65030	000 · • i	2C-00Eh.	.3600-02	50-0084.	.1000-03	.8249-04	.1119-03	.5900-01	.6000	538.2
2	00007	.70000	15.000	500-62	. 1300-02	30-021.	.3537-04	.2918-04 	. 3955-04	2000-01	2000	537.2 530 6
ភ	1.0306	05057.	15.000	50-0065	50-00-1	3500-02	5175-04	10-09-01	40-5447	3100-01	0766	537.5
นัก เ	2.0000	00000	18.000	1600-01	1320-01	1790-01	3705-03	3055-03	.41.46-03	.2180	2.568	539.0
. 7	2.0000	.33700	000.61	.2600-01	.2140-01	10-0162	.6028-03	.4970-03	.6746-03	.3550	464	539.6
	2.0000	39000	20.000	.2310-01	10-0161.	. 2590-01	.5366-03	.4424-03	.6005-03	.3160	3.734	539.6
21	€.0000	. 42600	21.000	.2730-01	.2250-01	.3060-01	.6336-03	. 5223-03	.7092-03	.3730	4,380	540.2
2	€.0000	.47800	22.000	.2010-01	.1660-01	.2250-01	.4671-03	. 3851-03	.5227-03	.2750	3.074	539.2

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Fig. 20000 Fig	NUMBER	TRA	x/L	1/C NO	H/HREF	H/HREF	H/HREF	н(910)	H(10)	H(TAW)	D00	OTHO	7
2.0000 59300 21.000 20.000 </td <td></td> <td></td> <td></td> <td></td> <td>o. 0=8</td> <td> 0.</td> <td>R-TAH</td> <td>BTU/ R</td> <td>BTU/ R</td> <td>BTU/ R</td> <td>BTU/</td> <td>DEG. R</td> <td>0£6.</td>					o. 0=8	 0.	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	0£6.
2.0000 585.00 58.00 9.00-28 190.02 1389-03 560.00 12.00 2.0000 58.00 9.00-28 190.02 2.30-60 11.50 2.30-60 180.00 190.00 2.60-00 180.00 190.00 2.60 190.00 190.00 2.60 190.00 190.00 2.60 190.00 190.00 2.60 190.00 190.00 2.60 190.00 190.00 2.60 190.00 190.00 2.60 190.00	ã	€.0000		23.000	11180-01	-0076.	.1320-01	.2728-03	.2250-03	305 3	.1610	1.797	538.9
2. 7.000	21	P.0000	. 56700	54.000	.8400-32	-6900-02	.9400-0€	. 1940-03	. 1600-03	.2170-03	.1150	1.248	538.
2.0000 77500 27.000 1780-02 7780-04 17	ĩ	2.1300	.62000	25.060	50-008h.	-0000	.5400-02	.1115-03	.9202-04	. 1248-03	.6600-01	.7190	537.8
2,0000 1,0000 2,0000 1,0000 2,0000 1,0000 2,0000 1,0000 2,0000 1,0000 2,0000 1,0000 2,0000 1,0000 2,0000 1,0000 2,0000 1,0000 2,0000 1,0000 2,0000 1,0000 2,0000 1,0000 2,0000 1,0000<	2	2.3000	.70500	27.000	50-00+1.	. 1200-02	. 1500-02	3345-04	.2760-04	-1475.	.2000-01	07.15.	536.2
2,00000 38,0000 31,0000 31,000-03 11,0	2	5.0000	.75000	28.000	. 3400-02	2800-05	. 3800-02	10-41-04	.6558-04	+0-888a·	10-906-01	0815.	536.4
3.0000 28700 31.000 3000-01 1.000 1.000-01 2.200-01 1.000-01 1.000-01 1.000 2.2000 31.000 31.	<u>ا</u>	2.0000	. 80000	29.000	50-0052.	. 1900-02	20-00-25	.5260-04	4340-04	. 5883-04	10-0015	3430	535.0
3.0000 22500 31.000 31000 1.5950-01 2820-01 6041-03 4970-03 3290-03 3.0000 2.50000 31.0000 31.0000 2.50000 31.	i i	2.0000	00428	30.000	50-0005.	.7000-03	20-0001.	40-5005.	*0-2691.	+0-0+22.	10-00-1	000	07.70
3.0000	ñ i	3.0000	20002.	31.000	19-0705.	10-0505.	10-0445.	.7162-03	. 2865-03	50-7767.	0714	, to t	7 (
3.0000 3.	i i	3.0000	. 25.500	32.000	10-0009.	10-0615.	. 2920-01	50-1-03.	E0-7724.	50-4878.	3340	3.97	ייייי קייייייייייייייייייייייייייייייי
3.0000 325000 35.000 1390-01 1390-01 2450-01 3472-03 3477-03 3480-03 35.000 35.	ū á	3.0060	מחחמשי.	33.000	10-000-	10-0/01	יייייייייייייייייייייייייייייייייייייי	2010103	20,02,03	50-1000A	00/0.	201.100	3.05.0
3.0000	.	7.0000	00002	24.000	10-0001	10-00-1	19-00-11	50-0465.	50-845.	- 4408-03	0555	7.75 7.255	430.0
3.0000	. 7	3.0000	00005.	35.000	10-0361	10-0261.	10-0613.	5676-05	5605-03	FU-1747	0.07	527	7.02.4
3.0000 (45000 4) 000 (190-01 (1300-01 3712-03 1999-03 1999-03 1990 3.0000 (3.0000 4) 000 (190-01 (1300-01 13712-03 1999-03 1990 0 10,000 (40,000 4) 000 (190-01 (1300-01 13712-03 1999-03 1999-03 1990 0 1,000 (40,000 4) 000 (190-01 (1300-01 13712-03 1999-03 1999-03 1999-03 1990 0 1,000 (40,000 4) 000 (190-02 1900-02 1900-02 1999-03 19	นี ถึ	3.0000	00005	39.000	ופ-מלאל.	10-0163	2760-01	FO-5572	E0-5554	6414-03	3380	3.930	539.2
3.0000 49000 39.000 1110-01 1920-01 1780-01 1921-03 3713-03 5038-03 1860 3.0000 49000 41.000 1110-01 1920-02 1780-01 1921-03 1921-03 1922-03 11730-13 1000 3.0000 49000 41.000 1110-01 1920-02 1780-01 1782-03 11730-03 11730-13 1000 3.0000 55000 45.000 1110-01 1920-02 1780-02 11730-03 11730-13 11730-13 1000-02 1800-03 11730-13 1000-02 1800-03 11730-13 1012-03 11730-13 1000-0	į	2000	37500	38.000	2310-01	10-0061	.2580-01	5359-03	E0-6144	5997-03	.3150	3.714	539.1
3.0000	; 7	4.0000	00003	39.000	10-0-01	1600-01	.2170-01	. 4503-03	.3713-03	.5038-03	.2660	1 t l	538.5
3.0000 4,5000 41,000 1,300-02 1,4500 1,100	: ቪ	3.0000	00S24.	40.000	1600-01	1320-01	10-0671	.3712-03	,3062-03	.4154-03	.2190	7.604	538.4
3.0000 5.0000 43.000 111.0 0.0 12.0 0.0 111.0		3.0000	45000	41.000	1300-01	10-0201	1460-01	.3021-03	.2492-03	.3380-03	1790	2.046	537.7
3.0000	. 7	3.0000	47500	42.000	1110-01	. 9200-02	1240-03	.2579.33	.2127-03	.2885-03	.1520	1.703	537.8
3.0000	. T	3.0000	.50000	43.000	-8100-05	.6700-02	-9100-02	.1885-03	.1555-03	.2109-03	.1110	1.245	537.7
3.0000 55000 45.000 5300-02 5900-02 1226-03 1012-03 1372-33 7390-01 3.0000 5.0000 45.000 5300-02 5900-03 5900-	: 2	3.0000	.52500	44.000	5900-05	- B00 - 05	.6600-02	.1362-03	.1123-03	. 1523-03	.8000-01	.9470	37.5
3.0000	2	3.0000	.55000	45.000	5300-05	50-0044.	.5900-02	.1226-03	.1012-03	.1372-33	.7300-01	.8100	537.3
3.0000	2	3.0000	.60000	46.000	.3500-02	20-0062	.3900-02	.8024-04	.6621-04	.8975-04	.4700-01	.5180	536.7
3.0000 70000 048.000 1800-02 1600-02 14445-04 15650-04 14972-04 12600-01 3.0000 8000 70000 048.000 18000-02 1800-02 2800-03 15000 8000-03 10000 03 100000 03 100000 03 10000 03 10000 03 100000 03 10000 03 10000 03 10000 03 10000 03 10000 03 10000 03 10000	ä	3.0000	.65000	47.000	.6000-03	.5000-03	.6000-03	. 1326-04	1094-04	.1483-04	2 0-0008′	10-0048	536.1
3.0000 80000 1.7500 49.000 2.9000-02 32000-02 18003-04 17460-04 19000-01 3.0000 3.0000 1.75000 49.000 2.1000-02 24000-02 240000 4 19565-04 19000-01 3.0000 1.85000-01 1.0000-01 3.0000 1.85000-01 1.0000-01 1.	ũ	3.0000	.7000	48.000	.1900-02	.1600-02	-2100-05	40-9444.	. 3669-04	40-5764.	.2600-01	. 2920	536.1
3,0000 .865C0 51,000 .2100-02 .1800-02 .35400-04 .1356-04 .1856-04 .1800-01 .8566-04 .1806-04 .1806-01 .8566-04 .1806-01 .8566-04 .1806-01 .8566-04 .1806-01 .8566-04 .1806-01 .8566-04 .1806-01 .8566-04 .1806-01 .8260-02 .1800-02 .1800-02 .1800-02 .1800-02 .1800-02 .1800-02 .1800-02 .1800-02 .1800-02 .1800-02 .1800-02 .1800-02 .1800-02 .1800-02 .1800-02 .1800-02 .1800-02 .1800-03	ณี	3.0000	.75000	49.000	. 2900 -0 2	. 2400-02·	. 3200-02	.6670-04	. 5505-04	.7460-04	10-0004	0167	536.2
3.0000 .85500 51.000 .1000-03 .1600-06 .1856-04 .1856-04 .1483-04 .1000-01 3.0000 .85000 .15000-02 .1300-02 .1300-02 .3719-04 .3043-04 .4161-04 .2200-01 3.0000 .95500 54.000 .1500-02 .1300-02 .2200-02 .3719-04 .3067-04 .4161-04 .2200-01 3.0000 .95500 72 .0000 .22000 71 .200 .1500-02 .1500-02 .4544-04 .3748-04 .5055-04 .2700-01 .2000 .25500 72 .0000 .22000 71 .200 .3100-02 .2200-01 .2530-01 .2750-	5	3.0000	.80000	50.000	-00-0018.	. 1800-02	.2400-05.	+0-776+.	*0-L01*	.5566-04	. 2900-01	3170	536.4
3.0000	2	3.0000	.85000	51.000	. 7000-03	.6000-03	.8000-03	*0-**B: ·	.1356-04	1839-04	.1000-01	. 1210	537.7
3.0000 .99007 53.000 .1600-02 .1800-02 .3749-04 .3067-04 .4061-04 .2200-01 3.0000 .29200 53.000 .2000-02 .1600-02 .2200-02 .3749-04 .3784-04 .5055-04 .2700-01 3.0000 .29200 71.000 .3160-01 .3530-01 .7309-03 .4916-03 .3749-04 .5055-04 .2700-01 3.0000 .22500 77.000 .3160-01 .2590-01 .2590-01 .2590-01 .5565-03 .4916-03 .3749-04 .5055-04 .2700-01 .2590-01 .2700-01 .2565-03 .4916-03 .4916-03 .3490 .4.0000 .22500 77.000 .2570-01 .2890-01 .2650-01 .5734-03 .4914-02 .5682-03 .3490 .4.0000 .22500 77.000 .2830-01 .1900-01 .2630-01 .5734-03 .4914-03 .5682-03 .3490 .4.0000 .35000 .35000 .2040-01 .2630-01 .4736-03 .3994-03 .5371-03 .3860 .4.0000 .35000 .25500 .7700-01 .2630-01 .4736-03 .3994-03 .5371-03 .2730 .4.0000 .35000 .2040-01 .1700-01 .2630-01 .4736-03 .3994-03 .5371-03 .2730 .4.0000 .4.0000 .25500 .5170-01 .1950-01 .4736-03 .3994-03 .3316-03 .1750-01 .40000 .4.0000 .4.0000 .4.0000 .60.000 .8200-02 .5100-02 .1100-02 .1100-03 .1560-03 .1560-03 .1560-03 .1560-03 .45000 .4.0000 .4.0000 .60.000 .4.0000 .60.000 .4.000	۳	3.0000	.87500	52.000	.1600-02	.1330-02	.1803-02	3589-04	. 3043-04	40-7514.	. 2200-01	2750	3.86.0
3.0000 .92500 54.000 .2000-02 .1600-02 .4544-04 .3784-04 .5052-04 .2700-01 .20000 .20000 .20000 .20000 .20000 .20000 .20000 .20000 .2100-02 .25000 .20000 .2150-01 .3530-01 .3530-01 .3788-04 .5000 .20000 .22500 .72.000 .72.000 .	≈	3.00cD	C3006.	53.000	.1600-02	1300-03	. 1800-02	.3719-04	.3067-04	4161-04	. 2200-01	.3070	258.3
3.0000 .95000 55.000 .1900-02 .1600-02 .4516-04 .3724-04 .5052-04 .2709-01 .2709-01 .2709-03 .4560 .22500 77.000 .2570-01 .2890-01 .2890-01 .2860-03 .4260-03 .3860 .22500 77.000 .2700-01 .2800-01 .2700-01 .2860-03 .4724-03 .4724-03 .2860-03 .3360 .270000 .27500 74.000 .27500 1.1940-01 .2700 .2750-01 .4724-03 .4724-03 .4724-03 .3860 .27500 .27500 74.000 .27500 1.1940-01 .2770-01	2	3.0000	.92500	54 . 330	. 2000-02	.1609-02	.2200-02	+0-++0+.	. 3748-04	.5085-04	10-0075.	.3520	338.6
4,0000 22500 71,22 3150-01 2890-01 7350-03	ā	3.0000	.95000	55.000	. 1900-02	. 1600-02	. 2200-02	40-9164.	3724-04	.5052-04	10-6075.	. 2710	238.5
4.0000 4.20500 72.000 1.2670-01 2.0000 1.5734-03 4.9124-03 5.5426-03 5.3400 1.0000 4.0000 2.2550 73.000 2.2470-01 2.040-01 1.2770-01 5.734-03 4.724-03 5.6420-03 3.350 1.0000 3.0000 56.000 56.000 1.2350-01 3170-01 65.2-03 717-03 7357-03 7350 1.0000 3.2550 57.000 50.000 1.2350-01 3170-01 65.2-03 717-03 7357-03 7350 1.0000 3.2550 57.000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.0000 1.0000 1.00000 1.00000 1.00000 1.0000	ñ	۴. 0000	. 23000	565.17	10-0518.	10-0865.	. 3530-51	60-60s/ ·	50-9100	50-0510.	000	900	
4,0000 27503 74,000 1,0000 23500 74,000 1,0000	~	4.0900	96522.	76.003	10-0/02	10-0212	10-0882	£0-0050.	10-10-	.00000.	3360	7.100	1 0
4,0000 3,0000 56.000 1230-01 3170-01 1587-03 3131-03 3	<u>ر</u>	4.6300	DCCC.	73.550	10-07-52	10-0-0-0-	10-0/12.	50-50/6.	50-tu/5.	50-03-0.	0000	2.340	ָּהְ בְּיִבְּיהָ מיניים מיניים
4,0000 3,2500 55,000 1770-01 1680-01 4730-03 3994-03 5311-03 2720 1 4,0000 3,5500 55,000 1770-01 1,680-01 1900-01 1903-03 3393-03 3383-03 3383-03 37500 55,000 1770-01 1,660-01 1900-01 1903-03 3383-03 3383-03 37500 55,000 1770-01 1,660-01 1900-01 1903-01 1903-03 3383-03 37500 56,000 1770-01 1,660-02 1900-02 1900-02 1903-03 1560-03 3383-03 1750 1 4,0000 4,0000 60,000 1820-02 1900-02 1900-02 1900-03 1950-03 1951-03 1950-01 1 4,0000 14,000 1500-02 1900-02 1900-02 1900-03 1903-03 1951-03 1950-01 1 4,0000 14,0000 14,000 1500-03 1900-02 1900-02 1900-03 1903-03 1900-0	<u>ت</u>	4.0000	50575.	74.000	.6.550-01	1940-01	10-050-0	50-/546.	00-10-1	20-6010.	3050	5.0.5 F.C. R	5 C C C C C C C C C C C C C C C C C C C
4,0000 35000 62.000 1.1000-02 1.0000-02 1.0000-03 1.3383-03 1.3591-03 1.550-03 1.0000-02 1.0000-02 1.0000-02 1.0000-02 1.0000-03 1.0000-	₹ (4.0000	30000	36.090	10-0082	10-00-01	10-0/15	50-3/50.	20-711	20-/15/.	0000	ייי אר האט	9
1,0000 3,500 65.000 1,000-1,100-01 1,10	ฉั	4.0000	00000	000.76		10-0901	10-0001	E0-05/11	50-1005.	20 100n	20.00	7.1.7	539.2
1 4.0000 4.500 62.500 4.600-02 3800-02 1062-03 1563-04 1188-03 1500-01 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ñ á	0000	טכטכני.	28.000	10-0//1.	10-0951	10-020-11	50-5914.	50-5855;	50-16CF.	1750	550	440
1 4.0000 .4500 62.000 .5100-02 .5100-02 .1052-03 .8763-04 .1188-03 .6300-01 .45000 62.000 .4600-02 .3800-02 .5100-02 .1052-03 .8763-04 .1188-03 .6300-01	ī, ?	0000		25.030		10-0011	0-0010		50-5444	50-0155.	0211	694.1	538.0
1 4.0000 .45000 62.000 .4600-02 .3800-02 .5100-02 .1052-03 .8753-04 .1188-03 .6300-01	นี ส	0000	00004	600.00	30-00-30	F000-02	- 500 OC.	1407-03	1161-03	1574-03	8300-01	1.093	537.6
	ū	2000	00051	000.69	4500-02	3800-05	5100-05	1062-03	.8763-04	1188-03	.6300-01	.8150	537.7
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CATE 07	CATE 07 OCT 75		OH-74 (AEDC	0H-74 (AEDC V41B-BBA)	HEATING D	ATA ON ORB	HEATING DATA ON ORBITER FUSELAGE PORT		\$10E			PAGE 36	
				OH-74 (AED	04-74 (AEDC V418-88A) BG2C12F10M18W127E52V9R19) B62C12F1	10M16W127ES	ZVBR19				(RVB001)	
RUN	TRACE	x/r	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R=TAW	H(910) BTU/ R FT2SEC	H(T0) 8TU/ P FT2SF.C	HITAN) BTU/ R FT2SEC	QQOT BTU/ FT2SEC	01W07 0E0. A /SEC	1H 0EG. R	
2	4.0000	.47500	63.000	.2600-02	.2100-02	.2900-02	.5929-04	+0-1684	.6632-04	.3500-01	. 4.80 0.41	537.6	
2	۴.0000	. 56000	64.000	.3200-02	500-05	3600-08	40-754C	40-2C19.	. 4341-04 . ABA 4-04	3600-01	1500	537.4	
2	4.7.300	. 52500	65.000	20-022	20-000-	20-0006	40-00KK	40-7-84	40-6209°	3200-01	.3750	537.1	
ฉี	1000	00000	66.000	70-00-0	-0001.	8000-03	1729-04	1427-04	1934-04	10000-01	.1160	536.7	
ni n	0000	00000	69.000	E0-000+	. 3000-03	.4000-03	.9141-05	.7543-05	.1022-04	5000-05	10-0049.	536.9	
นี ก็	10000	70000	69.000	. 1200-02	.1000-02	.1300-02	.2707-04	. 2233-04	.3028-04	10-0091	1790	537.6	
ะ	4.0000	.75000	70.000	. 1400-02	. 1200-02	. 1500-02	.3309-04	.2730-04	3701-04	10-0005.	0612.	536.8 537.5	
15	4.0000	.80000	75.000	. 9000-03	.7000-03	. 1000-02	40-4502°	*0-8/91.	10-0101	2500-01	3060	536.1	
ũ	4.0000	00058	76.000	50-0061.	50-051.	50-0018.	40-04-04 40-0-04	.3315-04	+0-G6+F.	10-00-2.	.3120	537.4	
2 2		005/8.	78.000	3400-05	2800-02	.3800-02	.7975-04	.6577-04	.8922-04	10-0024.	.6120	538.3	
นัก	t .0000	52500	79.000	-4600-02	.3800-02	.5200-32	.1069-03	.8815-04	.1196-03	.6300-01	.7830	538.5	
i	1	05000	80.000	. 1700-02	.1400-02	. 1900-02	3384-04	. 3281-04	+0-29+t.	.2300-01	٠٠. ن	7.000	

DATE 07	DATE 07 OCT 75		OH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	. V418-88A)	HEATING (DATA ON OR	BITER FUSEI	AGE PORT	S10£			PAGE 37	
				0H-74 (AE	04-74 (AEDC Y418-88A) BG2C12F10M1BW127E52V8R19	N B62C12F	10M16W127E	52V8R19				(RVB001)	
ORBITER	ORBITER FUSE: AGE							PARAM	PARAMETRIC DATA				
					BETA	. 0000	MACH	B .000	ELEVON .	.0000	RUDDER .	0000	
					•••1ES	***TEST CONDITIONS***	•••S••						
RUN	HACH	ALPHA DEG.	PSIA	10 DEG. R	РН1 ОЕС.	YAH DEG.	T DEG. R	PS1A	O PSIA	V FT/SEC	RHC SLUGS	TB-SEC	
8	7.960	19.82	298.2	1266.	-179.8	.0000	92.50	. 3200-01	1.400	3753.	78 1 3 . 2859-04	71 47 .7455-07	
RUN	RN/L X10 6	HREF BTU/ R FT2SEC	STN NO R 0175										
æ	1.439	. 2892-01	. 3376-01										
					:	***TEST DATA***	:						
Ş	TRACE	х/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	н(10)	HITAH	орст	DTWDT	귤	
NUMBER				R=0.9	R=1.0	R=TAH	81U/ R	BTU/ R	BTU/ R	BTU/ FT2SEC	DE3. ~	7EG. R	
88	1.0000	.27500	1.0000	1310-01	10-0801.	.1470-01	.3792-03	.3131-03	.4240-03	.2270	2.360	539.9	
88	1.0000	.30000	2.0000	1150-01	20-0056	1280-01	. 3322-03	.2743-03	.3714-03	. 1990	2.119	539.4	
8 8	1.0000	.32500	3.0000	50-0006.	.7900-02	10-0001.	. 2592-03	.2297-03	.3109-03	.1670	1.735	538.9	
2 82	1.0000	.37500	5.0000	-9100-05	.7500-02	.1020-01	.2641-03	.2181-03	. 2952-03	.1580	1.669	539.3	
88	1.0000	00004.	6.0000	1070-01	-8900-05 -0008-	1200-01	.3106-03	.2565-03	3472-03	.1860	1.919	538.9 539.2	
8 9	1.0000	.45000	9.0000 8	16-00/51	.1050-01	16-02-11.	.3683-03	.3042-03	.4117-03	.2210	2.266	538.9	
8	1.0000	.47500	9.0000€	.1650-01	.1360-01	. 1850-01	.4781-03	.3948-03	.5346-03	.2870	2.922	539.9 670 6	
8 8	1.0000	52500	11.000	10-0-71.	1440-61	1950-01	.5040-03	.4161-03	.5635-03	.3020	3.067	539.8	
8	1.0000	.55000	12.000	.1840-01	.1520-01	.2050-01	.5311-03	.4385-03	.5938-03	.3180	3.202	539.8	
8	1.0000	.60000	13.000	.2350-01	10-0-61.	.2630-51	.6902-03	.5614-03	.7607-03	0.04	4.128	541.0	
82	0000.1	.65000	14.000	.3840-01	.3170-01	.4302-01	.1112-02	.9171-03	1244-02	.6630	6.723	טילל. היות פיות	
7 K	1.0000	75000	15.000	10-0/00.	3820-01	5180-01	.1338-02	.1103-02	.1497-02	.7970	B.069	543.9	
2 8	1.0000	. 80000	17.006	.2050-01	10-0691	.2290-01	.5918-03	.4883-03	.6619-03	.3540	3.428	541.9	
8	€.0000	.28500	18.000	1300-01	10-0801.	.1460-01	.3765-03	.3110-03	.4278-03	. 2260	2.660	538.6	
8	2.0000	.33700	19.000	1080-01	.8900-02	. 1210-01	.3121-03	.2579-03	.3488-03	.1880	2.220	537.8	
8 8	2.0003	39000	31,000	10-0611	20-0056	10-0881.	20-5445.	50-0C82.	50-C55	.2920	3.438	538.8	
88	2.0000	.*7800	22.000	.2340-1.	1930-01	.2620-01	.6775-03	. 5595-03	.7574-03	.4060	4.538	539.4	

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	DATE 07	7 OCT 75		OH-74 (AEDC	(AEDC V418-88A)	HEATING D	DATA ON ORB	ORBITER FUSELAGE PORT	AGE PORT S	SIDE			PAGE 3E		,
					JU34) 4/2-HU	V4 18-984	(Jelijeja)	OMIGHT PAFFSV9819	5.883				(100AVR)	٠) · ·
						V00-0114	1								-
	RUN	TRACE	××	1/C NO	H/HREF	H/HREF	1AREF	H(9T0)	H(T))	H(TAM)	apor PTU/	DTWDT DFG. R	ТЖ D£6. R		
	MOTOCH				6.0	2.		F125F7	FTASEC	FTPSFT	FTASEC	/SFC			
	Ŕ		טטטצע	000 50	10-0065	2640-01	14570-01	9240-03	7625-03	1044-02		6.159	541.7	•	*
	2 %	2.0000	. 56700	000	.4670-01	3850-01	.5230-01	. 1351-02	.1115-02	. 1511-02		8.765	542.8		
	8		.62000	25.000	6980-01	.5750-01	.7820-01	-2019-05	1664-02	.2260-02		13.00	546.3		
	82		.67000	26.000	.3680-01	.3040-01	.4120-01	.1065-02	.8788-03	.1192-02	,6350	6.908	1.5.1		
	82	•	.70500	27.000	.2200-01	. 1820-01	.2460-01	.6375-03	.5263-03	.7128-03		4.117	540.4		
	88	•	.75000	28.000	ē	.1190-01	.1610-01	.4153-03	.3431-03	.4642-03		2.746	538.6		
	88	•	.80000	29.000	ē	.1020-01	.1380-01	.3580-03	.2957-03	.4002-03		2.378	538.8		
	82	•	.82400	30.000	50	.3000-02	-4100-02	.1065-03	.8794-04		ē	0168.	539.8		
	8		. 20000	31.000	.2910-01	.2400-01	.3250-01	.8408-03	.6932-03		.5000	5.303	544.7		
	8		.22500	32.000	.2240-01	1850-01	.2510-01	.6487-03	5352-03		.3870	t. W.t.	542.2		
	8 8		. 25009	33.000	1690-01		1890-01	.4895-03	.4041-03		.2930	3,289	540.3		
	3 %		00575	34.000	1370-01		. 1530-01	50-6955	3278-63		.2380	2.863	539.8		
	3 8		20002	35,000	1150-01	٠ م	10-0621	27.45-02	2745-03	, pr	0105	101	537.8		
	e c		35500	2000 92	1240-01	10-000	1380-01	¥0-678¥	20-1-20-		2.5	יוני ת	537.6		
	2 00		35000	22.02	; ;		1430-01	7690-03	FU-040F		מלת ל		537.5		
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	2 6			000.01	2800-01		3130-01	EC-5508.	.6683-63	.9052-03	1850	5,759	540.2		
	2 %	3.0000	000011	41.000	.3030-01		.3390-01	.8764-03	.7235-03	.9799-03		6.012	540.2		
	2 6		00574	42.000			.4072-01	1041-02	.8592-03	.1164-02		6.942	541.6		
	8 2		. 50000	43.000			.5620-01	.1453-02	.1198-02	.1625-02		9.654	543.2		
	28		. 52500	44.000		.5600-01	.7500-01	. 1954-02	.1619-02	-21-6612		13.66	545.9		
	28		.55000	45.000			.7270-01	.1878-02	.1548-02	.2103-02		12.39	546.3		
	80		.60000	46.000			.337(-01	.8728-03	.7205-03	.9759-03		5.689	540.6		
	8		.65000	47.000			1950-01	.5052-03	.4172-03	.5648-03		3.224	539.4		
	88		000	46.000			.1320-01	.3415-03	.2824-03			2.273	538.2		
	8		0 157.	49.000			.1040-01	.2697-03	. 2228-03	-03		1.768	538.1		
	8		.80000	50.000			.9300-02	.2407-03	1988-03			1.555	538.1		
	82		.85000	51.000			.6200-02	.1596-03	1318-03	-03	.96-1-01	1.186	540.3		
	82		.87503	52.000	ē	.1060-01	10-0441.	.3729-03	.3077-03		. 2230	2.760	542.2		
	58		.90000	53.000			.1000-01	.2573-03			.1540	2.144	541.7		
	36		.92500	54.000			1180-01	.3039-03			.1820	2.381	542.2		
	\$3		.95050	55.000		10-0-01	10-0141.	.3642-03	m		.2180	2.205	542.0		
	82	•	.20000	71.000		.2900-01	.3953-01	. 1019-02			.6020	6.859	548.8		
	88	•	. 22500	72.000		.2270-01	.3090-01	. 7980-03	m	.8932-03		5.554	545.5		
	28	•	.25000	73.930	.2040-01	1680-01	.2280-01	. 5896-03	M		.3510	611.4	543.7		
	28		.27500	74.000		13+0-01	. 1820-01	. 4713-03	3888-03	-03		3.482	542.9		
	م	•	.30000	26 .000		10-0411	1540-01	. 3994-03	3297-03		. 2390	3.143	5+0.5		
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	88	0000.4	.35000	58.000		. 2220-01	.3010-01	. 20-5677.	6430-03	8715-03			541.7		
	8	4.0000	.37500	29.000		3550-01	4820-01	. 1245-02	1027-02	1393-02	•	9.730	3. M. 4.		
	88	4.0000	00004	60.000	.5960-01	. 10-0164.	5580-01	. 1725-02	1421-02	1931-02	1.022	13.37	3.6.8		
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				OH-74 (AED	OH-74 (AEDC V418-88A) BG2C12F10H1G4127E52V8R1S	BESCI SF 1	OH 1 641 2755	2V8R15				
RUN NUMBER	TRANE	××	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R-TAW	H(910) BTU/ R FT2SEC		HITAN) BTU/ R FT2SEC	QDOT BTU/ FT2SEC	DTMDT DEG. R /SEC	TH DEG. R
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4.0000 4.0000 4.0000 4.0000 4.0000 4.0000 4.0000 4.0000 4.0000 4.0000 4.0000 4.0000	.45000 .47500 .50000 .55500 .55000 .55000 .65000 .75000 .75000 .87500 .87500 .90009 .90009	62.000 63.000 65.000 65.000 67.000 68.000 70.000 75.000 76.000 78.000 79.000	.4900-01 .3500-01 .1590-01 .1590-01 .9300-02 .5000-03 .5000-03 .5000-03 .5000-03 .5000-03 .5000-03	.2890-01 .770-01 .1310-01 .1070-01 .1070-01 .5400-02 .5200-02 .5200-03 .5800-03 .5800-03	.3920-01 .3920-01 .2400-01 .1780-01 .1140-01 .7100-02 .5000-02 .5000-03 .3700-02 .3500-02	.141C-02 .6194-03 .4592-03 .3736-03 .2240-03 .1672-03 .1672-04 .1573-04 .1573-04 .1573-04 .1673-04	.0169-02 .0318-03 .5112-03 .3780-03 .3780-03 .1510-03 .1510-03 .1510-03 .1510-03 .1510-03 .1510-03 .1510-03 .1510-03	.1587-02 .1133-02 .5927-03 .5135-03 .4177-03 .3008-03 .2504-03 .2604-03 .1869-03 .1758-04 .1758-04 .1758-04	.6639 .6039 .3710 .2750 .2750 .1620 .1100 .1100 .1010 .1010 .1010 .1000-02 .5600-01 .5600-01	10.91 7.674 4.594 4.594 2.630 2.630 1.123 1.123 1.123 1.120 1.123 1.120 1.120 1.120 1.120 1.120 1.120	540.2 541.1 540.3 539.4 539.6 539.6 539.6 539.6 539.6 539.6 540.5

0H-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE

DATE A7 OCT 75

OH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE

(RVB001) PAGE 40

OH-74 (AEDC V418-88A) B62C12F10M16W127E52V8R19

ORBITER FUSELAGE

DATE 07 OCT 75

B€1A

PARAMETRIC DATA

TEST CONDITIONS

														_	RE OR							A!			Y 18		F P(T OC	H R		
MU LB-SEC /FT2	.7455-07						7	.≝G. ₽		3.010	0.04g	539.6	638.5	₩ · O 1 ₽	520.4	U. 0.10	540.9	941.:	541.2	542.0	542.7	547.0	543.	541.5	540.9	540.8	540.2	0.0 0.0	340.6	540.0	#. M #.(i)
RHO SLUGS /FT3	.2871-04						DTMD7	DEG. R	/SEC	2.416	552	1.852		306. I	2.085	2.593	3.4.4	J. 174	3.603	4.877	5.744	9.745	۴.860	2.338	1.263	1.061	2.627	2.585	3.674	5.126	8.005
, FT/SEC	3753.						000 T	BTU/	FTZSEC	.2330	.≥000	0081.	. 1870	0101.	.2030	.2500	3340	.3120	.3550	0:87.	.5720	ე+96∵	0084.	.2390	.1250	0601.	0,55.	.2190	.3110	٠4370	.7180
Q PSIA	1.405						H(TAH)	BTU/ R	FTESEC	ED-11E1.	.3724-03	. 3354-03	3+83-03	. 3371-03	3787-03	.4665-03	.623!-03	.5823-03	.6543-03	.9009-03	.1072-02	. 1822-02	.9000-03	4469-03	. 2326-03	. 2042-03	.4173-03	.4077-03	.5811-03	.9178-03	1348-02
9 <u>8</u>	.3200-01						H(10)	87.U.R	FT2SEC	.3207-03	.2750-03	£0-7745.	. 2573-03	2-00-03.	E0-7875.	. 3444-03	.4599-03	.4297-03	.4902-03	.6546-03	£0-1087,	.1340-02	.6636-03	.3297-03	:1717-03	.1507-03	.3081-03	.3010-03	.4290-03	.6032-03	.9938-03
T 0£6. R	95.60					:	H(910)	BTU/ R	FT2SEC	.3885-03	.3331-03	.3000-03	.3116-03	30.5-03	.3387-03	.4172-03	. 5572-03	.5207-03	.5940-03	.8055-03	. 9584 - 03	. 1627-02	.8344-03	.3995-03	.2080-03	. 1825-03	.3732-03	.3646-03	.5197-03	.7311-03	. 1205-02
YAW DEG.	. 0000					TEST DATA	H/HREF	R. TAW		1500-01	1580-01	1160-01	10-0081	1163-01	1310-01	.1610-01	.2150-01	.2010-01	.2290-01	.3!10-01	:3700-0:	10-0629.	13113-01	1540-01	-8000-05	.7005-02	10-0441.	1410-01	.2010-01	.2820-01	.4650-01
PH 066.	-179.B					•	H/HREF	R-1.0	•	1110-01	.9500-02	8500-05	80-0068	80-00 98	-9700-02	10-0611	1590-01	10-0841.	1690-01	10-0622.	.2730-01	.4630-01	.2290-01	1140-01	.5900-02	.5200-02	.1050-01	10-0-01	10-08-1.	.2080-01	3430-01
T0 DEG. R	. 1566.						H/HREF	R=0.9) ;	10-0481	1150-01	10-0-01	10-0801	10-0401	1:70-01	10-0441.	1920-01	10-0081	.2050-01	.27BC-01	.3310-01	.5610-01	.2780-01	1380-01	. 7200-02	.6300-02	10-0631.	1250-01	1790-01	.2520-01	.4160-01
9. A1.8	4.685	STN NO	å	5710.	.3369-01		0 N	•		0000	0000	3,000€	4.0000	B. 0000	6.0000	7.0000	8.0000	9.0000	10.030	11.000	12.000	13.000	14.000	15 000	16.900	17.600	18.000	19.000	20.000	21.000	200.22
ALPHA DEG.	₹.	1361	81'J/ R	FT2SEC	.2898-01		**	į		27500	20002	32500	12000	1780	0000	. +2500	. +5000	7500	30000	52500	.55000	.60000	.65000	20002	02057	60058	28500	33700	39000	.+2600	47800
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TEST CONDITIONS

(RVB001) PAGE 41 OTMOT DEG. R DDOT BTU/ HCTAN) BTU/ R OH-74 (AEDC V418-BUA) HEATING DATA ON ORBITER FUSELAGE PORT SIDE H(910) H(10) B1U/ P B1U/ R OH-74 (AEDC V418-88A) BG2C12F10M16W127E52V8R19 H/HREF R=TAW H/HESF R*1.0 H/HREF R=0.9 1/C NO × TRANE AUTBER

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DATE 07 OCT 75

				A) 47-40	EDC V418-	(AEDC V418-88A) BG2C12F10M1GH127E52VBR19	2F I OM I GWI &	6188V5237				(RVB001)	
RUN	TRANE	×/c	1/C NO	H/HREF	H/HESF	H/HREF	H(910)	HCTO)	HCTAM)	T000	DTMOT	¥ 5	
					<u>.</u>		_				/SEC	Š	
R :		.53000		.5450-01	0-06**			•	٠		10.40	547.3	
ሚ ጸ	2.0000 2.0000	.56700		.2950-u1	•		•		•	•	5.489	543.2	
2 2		67000		10-0/61	0691		50-54G4. I	3 .3749-03	•			541.3	
R		.70500		.9+00-02	•	• •	• •	• •		.1640	1.771	539.7	
2	2.0000	.75000		. 5200-02	.5100			3 .1474-03	•			539.0	
R R	2.0000	. 32400		-0-0021.	. 3500-02	.0-0084. S	5 . 1235-03 -0-5345 - 9		•		.8190	539.6	
8	3.0000	.20000		. 2890-01	. 2380			3 .6891-03	• •			545.6	
ጽ ጽ	3.0000	. 22500		.2350-01	. 1950-01	10-0492. 1			7654-03			0.44.0	
2	3.0000	. 27500		10-0241	1160-011.		• •		• •		2.983	140.5	
R 8	3.0000	30000		1310-01	0-0601	_		•	•	•	2.83⁴	539.7	
ጺ ጺ	3.0000	35000	36.000	. 1530-01	. 11.0-01		20-016E' 1	3 .3228-03	50-1754. 1 50-6464. 1	. 2340 0754	2.756 2.086	539.6 539.6	
8	3.0000	.37500		. 2440-01	.2020-0	1 .2730-01			• •	0454.	4.975	541.1	
8 8	3.0000	40000		.3160-01	.2510-01		•		•	.5470	6. +56		
R R	3.0000	00054.		.5580-01	10-0985.	1 .5240-01	1 1356-02	50-8111, 5 50-8111, 5	50-21-03	. 9060	9.546	ታፋማ. ኃ	
æ	3.0006	.47500		.5080-01	.4190-01			• •	• •	.8740	9.723	546.1	
2	3.0000	.50000		.3230-01	.2660-01		•		•		6.214	543.4	
R 8	3 0000	. 52500		1820-01	1500-01	1.2040-01	5284-03	3 .4361-03	5909-03	.3160	3.711	541.2	
2	3.0003	.60000		-0096.	. 7900-02		• •		.311		1.822	539.7	
2	3.0000	.65000	47.000	50-0ne/.	.6100-02		•	•	•	•	1.358	539.2	
R 8		70000	9 3	5300-02	40-00-15.	50-0009. 5	1548-03	3 .1279-03	1730-03	.9300-01	6.028	538.7	
2 2	3.0000	. 80000		. 1300-02		•	•			. 2300-01	. 02 ⁴	538.2	
የ		. 85000	<u>.</u>	.3600-02	•	•	•		•	.6200-01	. 7690	539.4	
ጺጸ		. 875¢J	Si Si	5800-02	50-004.	5000-02	•	3 .1393-03	1888-03	0101.	- 255	541.2	
2 3		.92500	ก็สั	.5300-02			• •	٠.		.9200-01	1.213	9.1.40	
æ	3.0000	.95000	55.	-4100-0S	•	•	٠	•	•		. 7260	6.048	
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8		.25000	73.	10-0° 12.	. 1800-01	• •	.6333-03	• •	.7086-03	.3770	426	5+3.5	
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የ የ	. 0000 . 0000	.32500	56.003	. 1600-01	. 1320-01	3080-01	. 7985-03	3 .3832-03 3 .6586-03	. 5132-03	.2780	3.0.4 0.0.4 0.0.4	543.2	
æ	•	.35000	58.	10-0694	.3870-01	•	.1360-02	•	. 1522-02		10.55	546.5	
ጄ ዩ	2,0000	.37500	59.000	.4750-01	3910-01	.5310-01	50-92	50-4511.	. 1540-02	.8160	10.68	546.3	
3 3	*.0000	. 42500		10-0621.	1480-01		.5181-03		.5794-03	3100	4.065		
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MIE 07 OCT	27 75		OH-74 (AEDC	W.18-88A) H	HEATING DATA	17 ON ORB!	ON ORBITER FUSELAGE PORT	GE PORT SIDE	36			PAGE 42	
			J	OH-74 (AEDC	V+18-88+1	W18-881 B62C12F10M15W127E52VBR19	MIGWI 2755	:VBR19				(RVB001)	
	ļ	;	ç									į	
KUN UNBER	7 A A L	, X	9	R-0.9 A	H/HREF R=1.0	H/HREF R-TAM	H(910) BTU/ R F126FC	H(TO) + 1 BTU/ R 6	HITAHI) (87U/ D	DEG. R	TH DEG. R	
*	0000	.45000		•				•		2090 2.		540.6	
* 3	0000	.47500					.2775-03	•		660 2.		540.3	
	0000	.52500						•		250		39.8	
3 3	0000	.55000			.5400-02	. 7300-02	. 1885-03			130		39.4	
: ; : 2	0000	.65000	68.000	.3600-02				. 9550-04		. 6200-01		538.9	
3 3	0000	.70000			. 1800-02	. 2400-02	.6176-04		. 6905-04	4. 10-007		39.6	
•	0000	nnnc, .								2. 10-001		38.3	

1) 1, PAGE 43 (RVB001) PARAMETRIC DATA CH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE OH-74 (AEDC VVIB-88A) BG2CI2F10MIGNI27E52VBR19 1 DATE 07 OCT 75

539.0 539.5 539.3 539.1 539.0 539.0 539.0

50000-02 1400-01

.1035-03 .6176-04 .3536-04 .2486-04 .1064-04 .2321-04 .7017-03

.3600-02 .2100-02 .1200-02

4000-03

.87500 .87500 .90000 .92500

.6400-01

.8340 .7310 .4140

. 00-01 .6200-01 .3700-01

.1157-03

ORBITER FUSE, AGE

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TEST CONDITIONS*

				OH-74 (AE	04-74 (AEDC V418-88A) 862C12F10H16H127E52V8R19	3A) 862C1 <i>2F</i>	10H16H127E	52VBR19				(RVB301)
S S	TRAILE	x/L	1/C NO	H/HREF	:./HREF	H/HREF	H(910)	H(10)	HITAH	1000	DTMD	7
				n.	9.	KetAH	FT2SEC	BTU/ R FT2SEC	BTU/ R FT2SEC	BTU/ FT2SEC	DEG. R	066.
93	€.0000	.53000	23.000	. 1860-01	. 1540-01	.2090-01	.5409-03	.4464-03	.6049-03	.3240	3.614	542.1
30	2 .0000	.56700	₩.000	1390-01	.1150-01	.1550-01	.4025-03	.3324-03	.4500-03	.2420	2.631	540.7
30	2 .6300	.62000	32 .000	10-0001.	. B200-02	.1110-01	. 2891 -03	.2387-03	. 3232-03	.1740	1.891	540.4
8	2.3000	.67000	26.00û	.8500-02	-20-0004.	. 9500-02	.2475-03	. 2044-03	. 2766-03	06+1.	1.624	539.0
R	e. c000	. 70500	€7.000	.7400-02	.6100-02	.8200-02	.2133-03	. 1762-03	.2384-03	. 1290	1.387	538.7
30	S.0000	.75000	29.000	. 2900-02·	.2400-02	. 3200-02	.8421-04	+0-8569.	·9411-04	.5100-01	.5590	538.1
8	€.0000	.80000	29.000	. 1200-02	. 1000-02	.1300-02	3447-C4	.2848-04	.3853-04	.2100-01	.2300	538.3
30	2.0000	.82400	30.000	.3000-03	.2000-03	.3000-03	. 7631-05	6304-05	. 8529-05	.5000-02	.6400-01	538.9
30	3.0000	.20000	31.000	. 2960-01	.2440-01	.3310-01	.8580-03	.7074-03	.9601-03	.5110	5.420	545.3
8	3.0000	.22500	32.000	.2480-01	.2040-01	.2770-01	.7189-03	.5930-03	.8042-03	.4290	4.809	543.8
8	3.0000	.25000	33.000	.2000-01	1050-01	.2240-01	.5812-03	.4797-03	.6500-03	. 3480	3.904	541.9
۵ ۳	3.0000	. 27500	34.000	. 1550-01	. 1280-01	.1730-01	. 4489-F 3	.3707-03	.5019-03	.2700	3.237	540.3
S (3.0000	30000	35.000	. 1390-01	10-0511.	. 1550-01	.4023-03	.3323-03	£0-2644.	.2420	3.003	539.5
30	3.0000	. 3500	36.000	1210-01	. 1240-01	. 1680-01	.4370-03	.3610-03	.4885-03	.2630	3.091	539.4
<u>۾</u>	3.0000	.35000	37.000	. 2430-01	.2010-01	.2720-01	.7049-03	,5820-03	.7880-03	.4230	4.921	340.5
20	3.0000	.37500	38.000	.3740-01	.3090-0,	10-0614.	.1086-02	.8958-03	.1214-02	.6500	7.625	542.6
R	3.0000	40000	39.000	.3030-01	.2500-01	.3390-01	.6783-03	.7249-03	. 9822-03	. 5260	6.210	542.0
30	3.0000	.42500	40.000	.2760-01	. 2280-01	.3090-01	.8013-03	.6613-03	. 8962-03	.4800	5.691	542.3
30	3.0000	. 45000	41.000	.2340-01	1930-01	. 2620-01	.6792-03	.5607-03	.7594-03	.+080	4.665	541.0
20	3.0000	.47500	42.000	10-0121	. 1420-01	. 1920-01	.4973-03	.4106-03	.5561-03	. 2990	3.331	540.9
R 1	3.0000	.50000	43.000	.1310-01	10-0801.	. 1460-01	.3788-03	.3128-03	.4235-03	.2280	2.540	540.4
30	₹.0000	. 52500	44.000	.1020-01	-8+00-0 5	1140-01	. 2957-03	.2443-03	.3305-03	.1780	25.03	539.3
30	3.0000	. 55000	45.000	-0078 .	.7200-02	. 9800-02	. 2535-03	. 2094-03	. 2833-03	.1530	1.703	539.
8	3.0000	.60000	46.000	.6100-02	.5000-02	.6830-02	.1766-03	. 1459-03	. 1974-03	.1060	1.159	538.7
8	3.0000	.65000	47.000	50-0044·	3700-05	.5000-02	. 1290-03	. 1066-03	.1442-03	7800-01	. P270	538.5
R 1	3.0000	. 70000	48.000	. 27:30-02	.2200-02	.3000-02	.7698-04	.6351-04	.8602-04	10-0094	.5140	537.8
R ;	3.0000	.75000	49.000	.8000-03	.6000-03	.9000-03	.2221-04	. 1836 -04	.2482-04	1300-01	. 1460	537.5
<u>م</u>	3.0000	. 80000	50.000	.6000-03	.5000-03	.7000-03	1787-04	1477-04	1997-04	10-0011.	. 1160	537.7
R 1	3.0000	.85000	51.000	-50-00 42	.2000-02	-2700-02	.7053-04	.5835-04	10-1694.	.4300-01	. 5280	538.9
30	3.0060	.87503	52.000	.1000-02	. 8000-03	. 100-02	.2793-04	.2306-04	.3122-04	.1700-01	.2080	539.9
30	3.0000	.90000	53.000	. 1200-02	1000-05	.1400-02	.3611-04	.2982-04	.4037-C4	.2200-01	.3030	540.3
ن ۳ ا	3.0000	.92500	54.000	- 1400-0 5	. 1100-02	. 1 500-02	.3934-04	.3248-04	4398-04	.2400-01	.3:00	5.040
30	3.0000	.95000		. 1200-02	.1000-02	. 1300-02	.3+07-04	.2814-04	.3805-04	.2000-01	.2080	539.7
30	4.0000	.2002o	71 300	.3580-01	.2950-01	.4613-01	.1038-02	.8552-03	.1162-02	.6160	7.020	548.
30	• · 0000	.22500	72.000	.265. 01	.2190-01	. 2970-61	.7700-03	.6350-03	.9615-03	.4590	5.385	745
30	4.0009	.25000	73.000	.2140-)1	10-0751.	. 2390-01	.6206-03	.5121-03	.6942-03	.3710	4.358	542.8
30	۴.0000	.27500	74.000	.2010-01	. 1650-01	. 2250-01	.5830-03	.4812-03	.6520-03	. 3 491	4.328	542.0
20	r . 0000	30000	56.000	.2030-01	.1680-01	10-0122	. 5890-03	.4862-03	.6536-03	.3530	4.638	541.2
30	٠. 0000	.32500	57.000	.3500-01	.2890-01	.3910-01	.1015-02	.8370-03	.1135-02	.6060	7.936	544.3
30	4.0000	.35000	58.000	. 3260-0:	. 2699-01	.3650-0,	.9458-03	.7801-03	.1058-02	.5650	7.398	544.3
30	4.0000	.37500	59.000	. 1980-01	. 1640-01	.2210-01	.5745-03	.4743-03	.6423-03	.3450	4.536	541.0
20	4.0000	00001	000	. 400								
	,		300.00	10-0001.	10-0+11.	10-0461.	.3995-03	3298-03	.4466-03	0042	3,150	

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DATE 07	DATE 07 OCT 75		CH-74 (AEDC V418-BBA)	V418-BBA)		ATA ON OR	HEATING DATA ON ORBITER FUSELAGE PORT	AGE PORT S	3015			PAGE	ð.
				OH-74 (AED	XH-74 (AEDC V418-89A) 862C12F10M16W127E52V9R19) 862C12F	10M16W127E	52V8R19				(RVB001	100
PC.	TR E	×	1/C NO	H/HREF	H/HREF	H/HREF	H(9T0)	H(10)	H(TAH)	2000	DTMOT	3	
NUMBER				R=0.9	R=1.0	R-TAW	BTU/ R	BTU/ R	BTU/ R	BTU/	DE6. R	. 930	~
							FT2SEC	FT2SEC	FT2SEC	FT2SEC) SEC		
30	4.0000		62.000	.7500-02	.6200-02	.B400-02	.2186-03	.1906-03	.2444-03	.1320	1.708	539.4	
30	₩.0000	,	63.000	.6000-uz	20-0064.	.6700-02	. 1731-03	. 1430-03	. 1935-03	. 1040	1.330	539.1	
30	4,000		64.000	an-009+.	.3800-02	.51:00-02	.1322-03	.1092-03	.1477-03	10-0008.	.9880	539.0	
30	4.3300	-	C3 ,000	4300-05	.3600-02	.4600-02	. 1257-03	.1038-03	1405-03	.7500-01	.9390	539.1	
R	€.0000	_	66.000	20-0004.	.3300-02	S0-0054.	.1158-03	+0-6956°	. 295-03	.7003-01	.8200	538.9	
R	4.0000		67.000	.2600-02	.2200-02	-20-0062.	.7638-04	.6311-04	.8536-04	.4600-01	.5200	538.2	
30	4.0000		69.000	.1500-02	. 1200-02	.1500-02	.4213-04	3481-04	+0-804	.2500~01	.2990	539.2	
8	4.0000		69.000	.7000-03	.6000-03	.8000-03	.2028-04	.1675-04	.2266-04	.1200-01	.1360	539.8	
30	4.0000		70.000	.8000-03	.7000-03	.9000-03	.2433-04	.2011-04	.2719-04	.1500-01	. 1640	537.8	
23	4.0000		75.000	.2000-03	.1002-03	.2000-03	.4687-05	.3872-05	. 5238-05	.3000-02	3400-01	538.8	
33	4.0000		77.000	.3000-03	.3000-03	£~-0004.	.9854-05	50-1418	+0-1011.	-00009.	.7800-01	538.6	
2	4.0039		78.000	£0-0004.	.3000-03	£0-000+.	.1024-04	.8456-05	1144-04	.6000-02	. 8000-01	538.9	
30	4.0000		79.000	.5000-03	.4000-03	.5000-03	.1337-04	1104-04	1494-04	.8000-02	.1000+00	539.4	
30	4.0000	.95000	80.000	.3000-02	.2500-02	.3300-02	.8605-04	.710'1-04	.9622-04	.5200-01	.6060	540.3	

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DATE 07	DATE 07 OCT 75		OH-74 (AEDC VAIB-BBA) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	. V418-88A)	HEATING F	ATA ON ORE	II TER FUSEL	AOE PORT S	30			PAGE 46
				0H-74 1 AE	04-74 (AEDC V418-88A) 862C12F10H16M127E52V9R19	n B62C12F1	OHIGHIZTES	ZV9R19				(RVB001)
OR917ER	OR91TER FUSE, AGE							PARAME	PARAMETRIC DATA			
					BETA		MACH	• 8.000	ELEVON .	0000	- RJOOER -	0000.
					•••1ES1	***TEST CONDITIONS***						
RUN	MACH	ALPHA DEG.	PS IA	10 DE3. R	₩ 0€0	YAH DEG.	T DEG. R	PSIA	Q PS1A	V FT/SEC	SLUGS	33-81 18-SEC
Ë	7.960	¥.8	298.1	1270.	-179.8	.0000	95.90	.3200-01	1.399	3759.	2849-04	.7478-07
RUN NUMBER 31	RN/L X10 8 /FT 1.432	HREF BTU/ R FT2SEC .2893-01	STN NO R .0175									
					:	***TEST DATA**	:					
2	TRACE	×	1/C NO	H/HREF	H/HREF	H/HREF	H(970)	H(10)	HLTAH	D	DTWDT	7
NUMBER		!	!	R=0.9	R=1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/ FT2SEC	DEG. R	DEG. R
ñ	1.0000	.27500	1.0000	10-0641.	. 1230-01	. 1660-01	.4300-03	.3551-03	.4808-03	.2590	2.683	9:13
ñ ;	1.0000	.30000	2.0000	1300-01	10-0201.	14-20-01	3747-03	3094-03	3412-03	.2260	2.396	540.0 540.0
7 F	1.0000	35000	4.0000	. 1220-01	10-0101	1370-01	.3539-03	, 2923-03	.3956-03	.2130	2.214	340.4
: A	1.0000	37500	5.0000	1740-01	1860-01	. 1950-01	.5043-03	.4164-03	.5639-03	.3030	3.190 4.023	941.7 941.7
i m	1.0000	. 42500	7.6000	10-0121.	10-0241	1920-01	.4962-03	.409E-03	.5548-03	.2980	3.095	541.7
K i	1.0000	. 45000	8.0000	.2360-01	1950-01	.2640-01	.6831-03	50-0495	.9278-03	0114.	4.204 5.058	546 54. 8
, E	1.0000	.50003	10.000	1900-01	.1570-01	.2120-01	5491-03	.4534-03	.6139-03	.3300	3.350	347.4
31	1.0000	.52500	11.000	.2760-01	.2283-01	3080-01	.7977-03	.6585-03	.8920-03	2974.	1.857	54
£ £	1.0000	.55000	13.000	1720-01	10-0/61.	1950-01	50-5065.	£0-5604.	.5551-03	.2990	3.028	St. 1.5
ñ	1.0000	.65000	14.000	.:580-01	1300-01	10-0921.	.4558-03	.3764-03	.5095-03	. 2740	2.783	541.0
Ē	1.0000	,70000	15.000	.7100-02	.5900~02	.8000-02	.2063-03	1704-03	.2306-03	. 1240	1.218	539.9
3	1.0000	.75000	16.000	. 1500-02	. 1200-02	50-0071.	+0-1+8+.	.3586-04	- 4851 - 04 5686 - 04	2-0042	2980	539.
m ;	1.0000	.80309	17.000	1830-02	1260-02	1710-01	.4423-03	.3552-03	. 49.6-03	.2660	3.120	542.0
Ē	2.0000 2.0000	.33700	19.000	.15:0-01	. 1240-01	10-0891	.4356-03	.3596-03	.4870-03	.2620	3.091	55.7
Ħ	2.0000	.39000	20.000	.3010-01	10-06-2	.3370-01	.8722-03	.7197-03	.9755-03	.5230	6.157 5.158	543.4 543.4
<u></u>	2.0000 2.0000	.47800	22.000 22.000	.2050-01	10-0602.	.2290-01	. 7364-03 . 5924-03	£0-0684.	.6624-03	.3560	3,968	542.2

DATE 07	30 75		OH- 74 (AEDO	0H-74 (AEDC V418-88A)	HEATING C	ATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT	AGE PORT S	SIDE			PAGE 47
				OH-74 (AE	04-74 (AEDC V418-88A) BG2C12F10M16W127E52V8R19	1) B62C12F1	0M16W127ES	2V8R19				(RVB001)
RUN	TRAIE	X/L	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R=TAH	H(910) BTU/ R	H(T0) BTU/ R	HITAM) BTU/ R	97U/	OTMDT DEG. R	74 066. R
ř	0	23000	000 20	10-0-81	10-0641	10-0-00	FT2SEC5237-03	F725EC	F125EC .5856-03	F12SEC	7.5EC	542.1
īñ	P.0000	. 56703	24.000	1170-01	-0076.	.1310-01	.3381-03	.2792-03	.3779-03	.2040	2.217	540.7
ä	2.1.300	.62003	25.000	.8500-02	50-0007.	.9500-02	.2454-03	.2027-03	.2743-03	. 1480	1.611	540.5
31	2.3000	.67000	26.000	50-0673.	.4700-02	.6400-02	.1651-03	.1364-03	.1846-03	. 1000+00	1.085	539.7
ĩ	2.000	.70500	27.000	3400-05	.2800-02	.3900-02	.9748-04	.8054-04	. 1089-03	.5900-01	.6350	539.0
Ē	2.0000	.75000	28.000	.1000-02	. e0000-03	.1100-02	.2856-04	.2360-04	.3191-04	1700-01	1900	538.1
31	2.0000	.80000	29.000	.1100-02	.9000-03	.1300-02	.3322-04	.2745-04	.3712-04	.2000-01	.2220	538.4
<u></u>	2.0000	.82400	30.000	£0-0004.	.3000-03	50-0005.	1159-04	50-8596.	+0-90£1.	20-000/.	10-0066.	558.7 545 7
- F	3.0000	טטטטא.	35.030	10-0705.	10-0615	10-0645.	.7656-03	6315-03	.8565-03	.4580	, 10. rg	9,44,6
i m	3.0000	.25000	33.000	.2030-01	10-0891	.2270-01	.5881-03	.4852-03	.6578-03	.3520	3.946	543.7
ñ	3.0000	.27500	34.600	.1580-01	1300-01	.1760-01	.4557-03	.3761-03	.5096-03	.2740	3.280	5+2.5
31	3.0000	.30000	35.000	.1350-01	10-0111.	. 1510-01	.3897-03	, 3218-03	.4357-03	.2340	2.906	541.4
31	3.0000	.32500	36.000	10-0661.	.1640-01	.2220-01	.5749-03	.4747-03	.6428-03	.3460	4 05B	541.8
31	3.0000	.35000	37.000	.3160-01	.2610-01	.3530-01	.9144-03	.7545-03	.1023-02	.5480	6.363	543.4
31	3.0000	.37500	38.000	.2890-01	.2380-01	.3230-01	.8358-03	.6897-03	.9348-03	.5010	5.880	5+3.2
ñ	3.0000	.40000	39.000	10-058'	.1530-01	.2070-01	.5348-03	50-5:44.	.5979-03	. 3220	3,796	541.6
E	3.0000	.42500	40.00	.2390-01	1970-01	.2670-01	.6920-03	.5772-03	.7739-03	0414	4.927	מיאיני
Ē	3.0000	. 45000	41.000	10-0641.	1480-01	.2003-01	.5179-03	.4276-03	.5790-03	.3120	3.565	
3	3.0000	47500	42.000	10-0551	10-061:	. 1500-01	.4153-03	.3430-03	.4543-03	0000	ים מארים שמנים	1. O+0
F ;	3.0000	00005.	45.000	10-0511.	20-0006	1680-01	. 3310-03	20-12-02	50-09/6	0661.	744	0.054
31	3.0000	טטנאני.	100 th	50-00CB.	20-000/.	20-00-6	50-1042.	. B035-03	50-05/5.	0041.	7 / 3	539.9 839.0
กัก	3.0000	00008	000.64	50-066.	4300-02	50-00-0	1512-03	1950-03	1690-03	9100-01	9950	539.2
ī #	3.0000	02029.	47.000	3300-05	. 2700-02	.3700-02	+0-8096·	40-6264	. 1074-03	.5800-01	.6180	538.6
3 5	3.0000	00007.	48.000	. 400-02	.1100-02	.1500-02	.4012-04	.3316-04	40-2844.	10-00+2	.2690	537.9
31	3.0000	.75000	49.030	£0-000E	.7000-03	.1000-02	.2477-04	.2047-04	.2767-04	.1500-01	.1630	537.9
31	3.0000	.80000	50.000	.7000-03	.6000-03	.7000-03	1930-04	.1595-04	-5156-04	.1200-01	. 1250	538.4
31	3.0000	00058.	51,000	.1100-02	.9000-03	.1200-02	.3056-04	.2525-04	3415-04	. 1800-01	.2290	539.4
3	3.0000	.87509	52.000	.1500-02	. 1300-02	.1700-52	40-L044.	.3540-04	*0-026*.	10-00/5.	. 5500	239.0
ñ :	3.0000	000000	53.000	50-0061	50-000A.	20-0011.	3361-04	+0-0202.	3756-04	. 2000-01	. 2650	539 6
ī ē	0000	95,000	55.000	20 0012	1800-02	50-0 ng.	10-04:9	.5073-04	.6862-04	.3700-01	.3760	539.5
Ñ	4.0000	.20000	71.009	.3450-01	,2850-01	.36 1-01	. 1001-02	.8251-03	.1121-02	.5950	6.794	547.8
ñ	4.0000	.22500	72.000	.2590-01	.2130-01	10-0682.	.7473-03	.6164-03	.8361-03	0244	5.236	545.1
33	4.0000	.25000	73.000	.1950-01	10-0291.	10-0612.	.5663-03	.4673-03	.6334-03	.3390	3.991	543.6
31	4.0000	.27500	74.092	.2240-01	.1850-01	.2510-01	.6486-03	.5352-03	.7254-03	.3990	т Э.О. Т	543.5
31	4.0009	.30330	55.000	.2340-01	10-0261.	.2520-01	.6770-03	.5587-03	.7572-03	0003.	5.321	543.5
31	٠, 0000	.32500	57.000	10-0262.	.2410-01	.326^-01	.8444-03	.6956-03	.9446	. 5050	6.623	244.3
3	4.0000	.35000	58.000	19-0261.	.1630-01	.2210-01	.5705-03	E0-0124.	.6391-03	. 3430	1. 1. 05 1. 1. 05 1. 1. 05	546.3
31	4.0000	.37500	59.000	.1660-91	.1370-01	1860-01	£0-6084.	.3970-03	.5376-03	. 2893	# F F F	541.5
m	4.0000	,40000	60.000	1190-01	50-0086.	.1330-01	.3436-03	.2838-03	.3840-03	20,02.	. 200	0.0.0
Ĭ.	4.0000	.42500	61.000	- 8300-05	.6900-02	.9300-02	.2399-03	. 1982-03	. 2582-03	55.	066.1	3.056

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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATE 07	DATE 07 OCT 75		OH-74 (AED)	OH-74 (AEDC V418-BBA)		HEATING DATA ON ORBITER FUSELAGE PORT	31 TER FUSEI	LAGE PORT \$	S10£			PAGE 48
				OH-74 (AEE	X V418-B6	04-74 (AEDC V418-85A) 862C12F10M16W127E52V8R19	10H16H127E!	\$2VBR19				(RVB001)
S	TRALE	х/L	1/C ND	H/HREF	H/HREF	H/HREF	H(9T0)	HCTO	H(TAW)	1000	DTMOT	3 1
NUMBER				R.0.9	R=1.0	R-TAH	BTU/ R FT2SEC	BTU/ R FT2SEC	BTU/ R FT2SEC	BTU/ FT2SEC	DEG. R	DEG. 18
ĕ	4.0000	.45000	62.000	.6100-02	.5000-02	.6800-02	.1766-03	.1459-03	. 1973-03	0.01.	1.384	539.3
3	4.0000	.47500	63.000	-4900-05	-4100-0S	.5500-02	. 1431-03	. 1182- 03	.1599-03	10-0098	1.103	539.0
33	4.1300	.50000	64.000	-4100-02	.3400-02	.4600-02	.1180-03	.974.7-04	.1318-03	.7100-01	0+88.	539.0
31	4.3000	. 52500	65.000	.3600-02	.3000-02	£00004.	.1041-03	·860:-04	.1163-03	.6300-01	.7800	539.0
31	4.0000	.55000	99.000	20-0062.	5400-05	.3200-02	.8319-0 4	.6874-24	.9296-04	.5000-01	.5910	538.7
31	4.0000	. 60000	67.000	. 1900-02	.1600-02	S100-05	.5509-04	.4553-04	.6155-04	.3300-01	.3760	538.1
31	4.0000	.65000	68.000	.8000-03	.7000-03	.9000-03	.2358-04	1949-04	.2635-04	10-00-11	. 1680	538.1
7	٠, 0000	.70000	69.000	.7000-03	.6000-03	.8000-03	.2122-04	.1753-04	.2371-04	.1300-01	.1430	539.1
3	4.0000	.75000	70.000	.7000-03	.6000-03	.8000-03	.2020-04	.1669-04	.2257-04	. 1200-01	. 1360	538.4
ĕ	. 0000	.80000	75.000	.4000-03	.4000-03	.5000-03	1301-04	.1075-04	11-54-04	. 8000-02	.9500-01	539.0
31	4.0000	.87500	77.000	.7000-03	.6000-03	.8000-03	.2137-34	.1766-04	.2338-04	1300-01	.1700	538.4
3	4.0000	.99000	78.000	.1000-02	.9000-03	. 1200-02	.3033-04	.2506-0	.3389-04	1800-01	.2380	538.7
31	4.0000	.92500	79.000	.1100-02	.9000-03	. 1300-02	.3260-04	. 2694 - 04	.3642-04	.2000-01	. 2440	538.7
31	4.0000	.95000	80.000	. 3000-02	.2500-02	.3300-02	.8605-04	.7104-04	.9622-04	.5200-01	.6050	540.3

PAGE 19 (RVB001) RUDDER = .0000 ELEVON . .0000 PARAMETRIC DATA 04-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE BETA - .0000 MACH - 9.000 OH-74 (AEDC V418-88A) BG2C12F10M16W127E52V8R19 ORBITER FUSE A T DATE 07 0C:

TEST CONDITIONS

RHO MU SLUGS LB-SEC /FT3 /FT2 .2857-04 .7473-07 V FT/SEC 3758. .3200-01 1.402 T DEG. R 95.80 YAW DEG. 0000 ₽ 0€6. 70 DEG. A 1269. STN NO R* .0175 298.7 HREF BTU/ R FT2SEC .2896-03 ALPHA DEG. 39.84 RN/L X10 6 /FT 1.437 HACH RUN NUMBER

TEST DATA

2	TRACE	X	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(70)	H(TAM)	600	OTWO!	3
A PAGE D		•	•	8-0.9	R-1.0	R.TAH	81U/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FTZSEC	FT2SEC	FT2SEC)3S/	
Ş	1.0000	.27500	1.0000	.1420-01	1170-01	1580-01	.4098-03	.335 : 03	.4581-03	.2460	2.557	9.0
, c	0000	30000	2.0000	1240-01	.1020-01	1380-01	.3583-05	. 2959-03	.4006-03	.2150	2.53	540.4
4 1	0000	32500	3.0000	1140-01	50-00-6	1270-01	.3302-03	. 2727-03	.3691-03	0661.	2.046	539.9
4 4	0000	.35000	4.0000	1650-01	1370-01	.1850-01	.4787-03	. 3953-03	.5351-03	. 2880	2.991	540.3
4 1	0000	37500	5.0009	1870-01	1540-01	.2090-01	.5414-03	.4470-03	.6053-03	. 3250	3.423	541.8
4 4	0000	00001	6,0000	1850-01	1530-01	.2080-01	.5382-03	.4444.03	.6017-03	. 3240	3.328	540.8
4 3	0000	00524	7.0000	1690-01	.1560-01	.2120-01	.5485-03	.4529-03	.6133-03	.3300	3.420	54.3
4 1	0000	00054	8,0200	10-0:62.	.2400-01	.3250-01	.8433-03	.6962-03	.9430-03	.5060	5.180	7.1.7
4 6	0000	47500	0000.6	1850-01	1530-01	.2070-01	.5369-03	.4433-03	.6003-03	. 3230	3.285	541.3
۲ ۵	0000	.5002	10.300	10-6545.	.2020-01	10-0475.	.7090-03	.5854-03	.7927-93	.4260	4.321	541.1
۱ ۵	0000	52500	11,000	.2530-01	.2090-01	.2830-01	7331-03	.6053-03	.8197-03	0077.	4,466	541.4
4 4	0000	.55000	12.000	10-0661.	. 1650-01	.2230-01	.5772-07	.4766-03	.6453-03	3470	3.487	541.0
۱ ۵	0000	60000	13.000	10-012.	.1410-01	.1920-01	.4961-03	.4096-03	.5546-03	. 2980	3.025	540.9
۲ <u>۵</u>	0000.1	.65000	14.000	50-0088	.7200-02	50-0086 .	.2534-03	.2093-03	. 2832-03	.1530	1.549	539.9
1 2	0000	50000	15.000	1400-05	.1200-02	. 1600-02	+0-8114.	.34C2-04	40-1094	.2500-01	. 2440	538.4
, 2	0000	75000	500	1790-02	1400-02	1800-02	*0-644.	.3949-04	.5340-04	.2900-01	. 2930	538.5
4 £	2000.	00000	17 000	30-0008	.2500-02	3+00-05	40-1698.	.7181-04	.9713-04	.5200-01	. 5090	539.0
4 £	0000	טטאפר	18 000	18:0-01	1320-01	10-06/1	.4645-03	.3835-03	.5134-03	.2790	3.278	541.8
4 2	0000	44700	000.91	1990-01	1630-01	.2210-01	.5719-03	.4722-03	6395-03	. 3440	4.056	541.3
4 2	0000	טטטפצי	000.06	10-0106	1660-01	.2250-01	.5823-03	.4807-03	.6510-03	.3500	4.131	<u>₹</u>
H 2	0000	12600	000.14	3150-01	.2619-01	3540-01	.9163-03	.7562-03	.1025-02	.5490	6.443	542.8
ų į	6.0000	9 00 00 00 00 00 00 00 00 00 00 00 00 00		10-0000	10-000	2550-01	5626-03	50-6945	7407-03	3980	055.5	541.3
N M	2.0000	DOBLE.	de. one	יט בחתני.	10-060:	1000	יםםם.	,	?			

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DATE 07	7 OCT 75		OH-74 (AED)	OH-74 (AEDC V418-88A)		HEATING DATA ON ORBITER FUSELAGE PORT	IITER FUSEL	AGE PORT S	3018			PAGE	20
				OH-74 (AE	/86-81h. OC	OH-74 (AEDC V4)8-BBA) BG2C12F10H1GH127E52VBR19	OHIGHIZTES	2VBR19				(RVB001)	6
RUN	TRATE	x/r	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R=TAW	H(910)	H(T0) BTU/ R	HITAN) BTU/ R	OCOT BTU/	OTMOT DEG. R	TH DEG. R	
				•			FT2SEC	FT2SEC	FT2SEC	FTZSEC)SEC	(
32	2,0000	53000	23.000	10-0441	10-0611.	1610-01	.4161-03	3436-03	.4652-03	5500	2.792	7.040.7	
3	2.0000 5.0000	007.96.	000 100 100 100 100 100 100 100 100 100	5600-02	50-005G	10-00-1	.1918-03	.1585-03	2144-03	.1160	1.260	539.1	
¥ 24	2.3000	.67000	26.000	S0-00.	20000-05	.2700-02	.7028-04	.58′ -04	.7854-04	.4200-01	.4620	538.5	
1 24	2.0000	.70500	27.000	.1900-02	.1500-02	-2100-02	.5393-04	4457-04	.6026-04	.3300-01	.3520	537.8	
35	2.0000	.75000	28.000	. 2200-02	. 1800-02	.2400-05	.6328-04	.5230-04	. 7070-04	.3800-01	,4210	537.6	
32	2.0000		29.000	. 1900-02	. 1600-02	.2200-02	.5638-04	.4659-04	.6300-04	3400-01	.3770	538.1	
32	2.0000	. 82	30.000	.8000-03	.7000-03	.9000-03	.2281-04	1885-04	. 2549-04	10-00-1.	0261 -	7.05c	
32	3.0000	.20000	31.000	10-01/15.	10-0195	10-0406	76.04-03	6276-13	-10c/201.	0000	5.093	5,4,0	
χ υ α	3.0000	00055	36.000	10-0-0-0	1670-01	.2260-01	.5846-03	.4825-03	.6538-03	.3500	3.925	542.8	
ያ የ	3.0000	. 27530	34.000	10-0451	1270-01	1720-01	.4452-03	.3676-03	.4979-03	.2680	3.209	541.2	
35	3.0000	30000	35.000	.1520-01	. 1260-01	1700-01	£0-6044°	.3641-03	.4929-03	. 2650	3.288	540.6	
35	3.0000	.32500	36.000	.2760-01	. 2280-01	.3090-01	.6003-03	.6607-03	.8949-03	.4810	5.642	541.6	
32	3.0000	.35000	37.000	.2760-01	.2280-01	.3080-01	. 7983-03	.6590-03	.8926-03	064.	5.567	941.8	
32	3.0000	.37500	38.000	.2080-01	.1720-01	. 2320-01	.6020-03	.4971-03	.6730-03	.3520	4.252	540.7	
32	3.0000	00004	39.000	. 2290-01	10-0681.	.2560-01	.6619-03	.5466-03	.7399-03	.3980	£.701	540.6	
32	3.0000	.42500	40.000	.2100-01	1740-01	.2350-01	.6089-03	.5027-03	.6807-03	.3660	4.345	ر م م م م	
32	3.0000	.45000	41.000	.1630-01	1350-01	.1830-01	4733-03	.3909-03	.5290-03	. 2850	3.262	240.0	
32	3.0000	. 47500	42.000	.1320-01	10-0601.	1480-01	.3827-03	.3161-03	.4277-03	.2310	7.574	238.6	
32	3.0000	.50000	43.000	.1060-01	.8800~02	10-0611.	.3078-03	.2542-03	.3440-03	. 1860	2.0/6	. D. C.	
32	3.0000	.52500	44.000	. 7000-02	.5800-02	. 7800-02	.2020-03	, 1669-03	. 2257-03	. 1220	1.433	238.0	
32	3.0000	. 55000	45.000	.6100-02	5100-05	. 6900-02	. 1780-03	. 1471-03	. 1989-03	0801.		0.00 m	
32	3.0000	.60000	¥6.000	- 100-05	3400-05	-4500-02	.1177-03	9724-04	1315-03	10-001/	00//		
35	3.0000	.65000	47.000	. 1700-02	. 1400-02	. 1900-02	.4976-04	- 4113-04 - 4113-04	40-8000.	10-0005.	מסביב	5.7.5	
CI (3.0000	20007.	000.84	00-006	001001	20-0002.	10-1061	40-1262	10-000 .	10-0064	31.70	537.5	
S C	3.0000	0006/	50.000	1500-02	1300-02	1800-02	4724-04	3904-04	5279-04	.2900-01	.3970	538.0	
, t	3.0000	00.38.	51,000	.6000-03	5000-03	.7000-03	.1756-04	1451-04	+0-5.51.	10-0011.	.1310	538.9	
; c:	3.0000	. 63528.	52.000	.1200-02	.1000-02	.1300-02	.3426-04	.283!-04	.3829-04	.2100-01	. 2560	539.1	
35	3.0000	.90000	53.000	.1800-02	.1500-02	.2000-0S	.5190-04	40-7854.	.5801-04	3100-01	. 4360	539.6	
32	3.0000	. 92500	54.000	.2700-02	.2200-02	.3000-02	· 7794-04	.6438-04	.8712-04	4700-01	.6160	539.9	
35	3 0000	. 95000	55.000	-4300-05 -	. 3500-02	£0-0084.	. 1243-03	.1026-03	. 1389-03	.7530-01	0557.	10.50 10.00	
32	4.0000	.20000	71.000	.3350-01	.2760-01	.3753-01	.9690-03	.7987-03	50-5801.	0//5.	6,5/8	2 M	
32	4.000g	.22500	72.000	.2550-01	.2100-01	.2850-01	7.585-03	. 5096-03	\$0-20-R.	3000	57.77	1 1	
32	4.0000	.25000		. 2253-01	1850-01	10-0565.	50-7100.	50-120-	. 1 30-03	00000	, K	6.046	
35	3000.	00675.	000 #/	10-04-90	10-0114	2850-01	7386-03	50-9609	3251-03	.4430	5.805	542.8	
32 23	0363.4	30000	000000	וס-מנציי	10-0261	2600-01	6740-03	.5563-03	.7537-03	0101	5.304	545.5	
ນຸດ	1,0000	35,000	000.45	10-00-51	1570-01	.2120-01	.5495-03	.4537-03	.6143-03	.3300	4.334	541.1	
n t	0000	37500	050.05	1,630-01	1350-01	. 1830-01	4734-03	.3909-03	.5292-03	.2850	3.740	540.4	
ር የ	0000	00004	60.000	10-0101.	.8400-02	11:30-01	. 2935-03	.2425-03	. 3280-03	.1770	8.35.5	538.9	
35 25	•	. 42500	61.330	. 5900-02	50-0075.	.7800-02	.2012-03	1663-03	.2248-03	.1210	1.596	538.5	

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DATE 97	DATE 07 OCT 75		0H-74 (AEDC V41B-BBA)	V418-B8A)		HEATING DATA ON ORBITER FUSELAGE PORT	BITER FUSEI	AGE PORT S	SIDE			PAGE 51
				OH-74 (AED	34-74 (AEDC V418-88A) 862C12F10H15H127E52V8R19	n Bezotzfi	:3751H31H0:	52V8A19				(RVB001)
Ş	TRATE	×/L	1/C NO	H/HREF	H/HREF	H/HREF	невто	H(70)	H(TAM)	1000	DTMOT	3
NUMBER				R=0.9	R=1.0	R-TAM	91U/ R	81U/ R	BTU/ R	BTU/	DE0. R	DEG. R
;							FTESEC	F125EC	FTESEC	FTESEC) (E C	
2	¥.0000	000B4.	000.80	20-000s	#0-00 F h.	. 5500-01	20-1441.	EC-1811.	10-0161	.8700-01	. 130	
2	4.0000	47500	63.000	4300-0E	. 3500-0E	20-008 ↑.	. 1236-03	. 1022-03	1381-03	7800-01	. 9530	930.2
*	4.0300	20000	64 .000	3400-05	.2800-02	.3800-08	.9745-04	+0-+C09.	1069-03	. 5900-01	.7310	537.8
2	4.3000	. 52500	65.000	.3000-02	. 2500-02	.3300-02	.8635-04	.7136-04	+0-8+96	.5200-01	.6480	537.8
ĕ	٠,0000	.55000	99 .000	. 2200-02	. 1800-02	. 2500-02	.6391-04	.5282-04	.7141-04	.3900-01	0424.	537.7
35	4.0000	.60000	67.000	.1100-02	.9000-03	.1200-02	.3041-04	.2514-04	.3397-04	10-0081.	.2080	537.0
ĸ	4.0000	.65000	68.000	.9000-03	.7000-03	.1000-02	.2599-04	+0-8+12·	+0-+062.	10-0091	.1850	537.3
æ	4.0000	.7000	69.000	.1400-02	1100-02	. 1500-02	40-4004.	.3309-04	+0-4644.	. P400-01	.2700	538 4
32	4.0000	.75000	70.000	.1500-02	.1200-02	.1700-02	.4286-04	.3542-04	.4789-C+	.2600-01	.2890	537.9
35	4.0000	.80000	75.000	.7000-03	.6000-03	.8000-03	.2015-04	.1565-04	.2252-04	1500-01	0241.	538.5
22	4.0030	.87500	000.77	.8090-03	.6000-03	. 9000-03	. 2229-04	.1842-04	+0-16+2.	.1300-01	0771.	538.1
33	4.0000	.90000	78.000	. 2200-02	. 1800-02	.2500-02	.6459-04	.5335-04	.7218-04	.3900-01	.5060	538.8
35	4.0000	. 92500	79,000	50-00-5.	.2000-02	.2600-02	.6853-04	.5661-04	.7659-04	.t0-0014°	.5:30	539.1
35	4.0000	.95000	80.000	.3000-02	.2500-02	.3300-02	.8505-04	.7104-04	.9622-04	.5200-01	.6050	5+0.3

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NAMES NAME					0H-74 (A	5DC V418-88	OH-74 (AEDC V418-88A) BG2C12F10M164127E52V8R19	10M16H127E	:52VBR19				(RVB001)
Name Name	ORBITE	R FUSE, AGE							PARAH	ETRIC DATA			
##CH #LPM PO 10 PHI 17M TAM PS A 190 O 1 PHI 17M TAM PS A 17 PS A 1 PS A 1 PS A 17 PS						BETA		MACH				RUDDER .	
Huch ALPha Dec. Polito Pull Yah T Pull Polito Pull ALPha Polito Pull Pul						•••165	T CONDITION	ô					
## 17.950 #3.91 298.8 1269. 179.8 1200. 92.80 3200-01 1,402 3759. 2859-04 1,435 1,437 1,437 2896-01 1377-01 1,437 2896-01 1377-01 1,437 2896-01 1377-01 1,437 2896-01 1,317-01 1,437 2896-01 1,317-01 1,437 2896-01 1,317-01 1,437 2896-01 1,317-01 1,437 2896-01 1,317-01 1,437 2896-01 1,317-01 1,437 2896-01 1,437	\$	MACH	ALPHA	8	1 0	Ŧ	YAH	۰	Q.	o	>	£	₹
1.437 1.486			DEG.	¥3S4	DEG. R	0£0.	DEG.	DE0. R	₽S!¥	¥3Sd	FT/SEC	SLU65 /FT3	LB-SEC /FT2
FRVL FFEEC STN NO FFEE STN NO FFEE STN NO FFEEC STN STN STN STN STN STN STN STN STN STN	33	7.960	43.91	298.8	1269.	-179.8	. 6300	92.80	.3200-01	1.402	3758.	.2858-04	.7473-07
TRACE X/L 1/C NO H/HEFE H/HEFE H19101 H1701 H1701 H17041 GDOT DTHOT TH R-0.9 R-1.0 R-1.0 R-1.0 R-1.0 R-1.4 BTU/R B	RUN NUMBER 33	RN/L X10 6 /FT 1.437	HREF 8TU/ R FT2SEC .2896-01	STN NO R= .0175									
TRACE X/L 1/C NO HVHREF HVHRE						•	TEST DATA	•					
R=0.9 R=1.0 R=1AH BTU/R BTU/	Ş	TRACE	x/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	нсто)	HCTAN	1000	DTWOT	7
F125EC F	NUMBER				R=0.9	R=1.0	R-TAH	BTU/ R	BTU/ R	810/ 8	BTU/	DEG. R	DEG. R
1.0000								FT2SEC	FT2SEC	FT2SEC	FTZSEC	/SEC	
1.0000 35000	33	0000.1	.27500	1.0000	. 1420-01	1180-01	1290-01	.4121-03	3404-03	.4607-03	.2480	2.57	540.3
1,0000	55 1	1.0000	30006	Z.0000	1250-01	10-0-01	10- 141	.3650-03	.3015-03	£0-080+.	.2200	2.337	240.0
1.0000	55	0000	36360	3.0000	10-055:	1030-01	1403-01	.3618-03	. 2988-03	- 4044-03	2180	9.249	539.9
1.0000	33	9000.1	.37500	5.000	1830-01	10-0601.	10-0402	5296-03	.4373-03	5921-03	3180	3.350	0.040
1.0000 .42500 7.0000 .2240-01 .2730-01 .7071-03 .5838-03 .42500 4.409 4.409 1.0000 .45000 8.0000 .2320-01 .1920-01 .6720-03 .5549-03 .7513-03 .4040 4.136 1.0000 .47500 9.0000 .2120-01 .1750-01 .2560-01 .6720-03 .5684-03 .7513-03 .4040 4.136 1.0000 .47500 9.0000 .2120-01 .1750-01 .6720-03 .5684-03 .7513-03 .4040 4.136 1.0000 .47500 9.0000 .2170-01 .2940-01 .7627-03 .5684-03 .4580 4.409 1.0000 .50000 .2300-01 .1930-01 .2510-01 .5610-03 .4690-03	33	1.0000	40000	6.0000	1710-01	10-0141	10-0161	.4958-03	¥095-03	.5542-03	2980	3.070	540.1
1.0000 45000 8.0000 1.0230-01 1.0200 1.0250-01 5.0599-03 5.0599-03 7.513-03 4040 4.136 1.0000 4.7500 9.0000 2120-01 1.750-01 2360-01 6126-03 5058-03 6849-03 3680 3.750 1.0000 5.0000 10.000 2630-01 1.750-01 2940-01 7627-03 5698-03 6849-03 3690 4.649 1.0000 5.0000 12.000 12.000 12.000 12.000 12.000 13.000 12.000 13.00	33	1.0000	.42500	7.0000	. 2440-01	.2020-01	.2730-01	.7071-03	.5838-03	.7935-03	.4250	£0.409	541.6
1.0000	33	1.0000	.45030	8.0000	.2320-01	.1920-01	.2590-01	.6720-03	.5549-03	.7513-03	0404.	4.136	540.9
1,0000 .5000 10.000 2630-01 .2170-01 .2940-01 .7627-03 .8527-03 .8527-03 .4580 4,649 1,0000 .52500 11.000 .2340-01 .1930-01 .2610-01 .6772-03 .5592-03 .7571-03 .4070 4,129 1,0000 .52500 12.000 .2340-01 .1930-01 .2610-01 .5202-03 .4296-03 .5915-03 .3130 3.147 1,0000 .50000 13.000 .1200-01 .1800-01 .1350-01 .3505-03 .3918-03 .3130 3.147 1,0000 .50000 14.000 .3700-02 .3100-02 .2600-02 .2600-02 .2600-02 .2600-02 .2600-02 .2500-03 .2618-03 .2610-01 .4090 1,0000 .70000 15.000 .2200-02 .2600-02 .2600-02 .2639-04 .7637-04 .1032-03 .5600-11 .5670 1,0000 .28500 18.000 .1240-01 .1240-01 .1245-03 .3605-03 .4650 .2630 .2640 .2630	33	1.0000	.47500	9.0000	.2120-01	1750-01	.2360-01	.6126-03	.5058-03	.6849-03	.3680	3.750	<u></u>
1.0000	33	1.0000	.50003	10.000	2630-01	.2170-01	.2940-01	. 7627-03	.E337-03	.8527-03	.4580	4.649	5 €1.1
1.0000	33	1.0000	.52500	11.990	.2340-01	1930-01	.2610-01	.6772-03	. 5592-03	. 7571-03	0,4070	4.129	540.9
1.0000 .60000 13.000 1210-01 .1000-01 .1350-01 .3505-03 .3918-03 .2110 2.142 2.142 2.100 .0000 .0000 14.000 .2100-01 .1009-02 .1009-03 .8835-04 .1195-C3 .6500-01 .6550 14.000 .2300-02 .1300-02 .1900-02 .1009-03 .8835-04 .1195-C3 .6500-01 .3990 .2300-02 .2300-02 .2600-02 .2600-02 .2600-02 .2600-02 .2600-02 .2600-02 .2600-02 .2600-02 .2600-02 .2600-02 .2600-02 .2600-02 .2600-02 .2600-02 .2000-02 .2000-02 .2000-02 .2000-03 .2600-03 .2	33	1.0000	.55000	12.000	10-0081	.1480-01	.2010-01	.5202-03	.4296-03	.5815-03	.3130	3.147	540.4
1.0000 .65000 14.000 .3700-02 .3100-02 .4103-02 .1069-03 .8835-04 .1195-03 .6500-01 .6550 .10000 .20000 15.000 .2300-02 .3100-02 .6500-02 .6745-04 .5574-04 .7537-04 .4100-01 .3990 .1.0000 .3200-02 .3200-02 .3500-02 .3500-02 .3500-02 .3500-02 .2500-02 .2500-02 .2500-02 .2500-02 .2500-03 .4000 .1.0000 .25000 .2500-03 .2500-03 .2500-03 .4600 .25.000 .20000 .20000 .20000 .20000 .20000 .20000 .20000 .20000 .2000-03 .2460 .2500-03 .3260-03 .7106-03 .3830 4.520 .2500-03 .4260 .2500-03 .2460 .2500-03 .2460 .2500-03 .2460 .2500-03 .2460 .2500-03 .2460 .2500-03 .2460 .2500-03 .2460 .2500-03 .2460 .2500-03 .2460 .2500-03 .2460 .2500-03 .2460 .2500-03 .2460 .2460-03 .2460-03 .2460 .2500-03 .2460 .24	33	1.0000	.60000	13.000	1210-01	.1000-01	.1350-01	.3505-03	. 2895-03	.3918-03	.2110	2.142	539.8
1.0000 .70000 15.000 16.000 .2300-02 .2600-02 .6745-04 .5574-04 .7537-04 .4100-01 .3990 .3900 .2000 .2000 .2300-02 .2600-02 .9239-04 .7637-04 .1037-03 .5600-12 .5670 .2000 .20000 .20000 .2200-02 .2000-02 .2500-02 .2500-02 .2500-02 .2500-02 .2500-02 .2500-03 .2560-03 .2560-03 .2560-03 .2560-03 .2560-03 .2560 .2550 .25	33	1.0000	.65000	14.000	.3700-02	.3100-02	SD-C014.	. 1069-03	.8835-04	.1195-03	.6500-01	.6550	538.8
1.0000 . 75000 . 6.000 . 3200-02 . 2600-02 . 3600-02 . 9239-04 . 7634-04 . 1032-03 . 5600-1 . 9670 . 10000 . 10000 . 10000 . 2000-02 . 26000 . 2700-02 . 6959-04 . 5758-04 . 7785-04 . 4200-1 . 4090 . 100000 . 100000	33	1.0000	.75000	15.000	.2300-02	. 1900-02	.2600-02	.6745-04	.5574-04	.7537-04	10-0014.	.3990	538.1
1.0000 .80000 17.009 .2400-02 .2900-02 .2700-02 .6969-04 .5758-04 .7785-04 .4200-01 .4090 2.0000 .28500 18.000 .1519-01 .1240-01 .1690-01 .4362-03 .3603-03 .4876-03 .2630 3.086 2.0000 .28500 .9.000 .2550-01 .2110-01 .2860-01 .7415-03 .6123-03 .8290-03 .4460 5.264 2.0000 20.000 .2200-01 .1810-01 .2450-01 .6357-03 .5250-03 .7106-03 .3830 4.520 2.0000 .42600 21.000 .2920-01 .2410-01 .3260-01 .8453-03 .6979-03 .9451-03 .5080 5.961	33	1.0000	. 75009	16.000	. 3200-02	.2600-02	.3600-02	.9239-04	.7634-04	. 1032-03	.5500-01	.5670	538.3
2.0000 .28500 18.000 .1519-01 .1249-01 .4362-03 .3603-03 .4875-03 .2630 3.086 2.0000 .33700 (9.000 .2550-01 .2110-01 .2860-01 .7415-03 .6123-03 .9290-03 .4460 5.264 2.0000 .20000 .20000 .01010-01 .2450-01 .6357-03 .5250-03 .7106-03 .3830 4.520 2.0000 .42600 21.000 .2920-01 .2410-01 .3260-01 .8453-03 .6979-03 .9451-03 .5080 5.961	33	0000.1	. 80000	17.000	50-00+5.	. 2000-02	50-0075.	.6969-0 ₄	.5758-04	.7785-04	.4200-01	0604.	538.4
2.0000 33700 (9.000 2550-01 2110-01 2860-01 7415-03 (8123-03 9290-03 4460 5.264 2.0000 2.0000 20.000 .2200-01 (810-01 2850-01 6357-03 (8250-03 7106-03 3830 4.520 2.0000 .2920-01 .2450-01 .8453-03 (8979-03 9451-03 5080 5.961	33	2.0000	.28500	18.000	1519-01	.1240-01	.1683-01	.4362-03	.3603-03	.4875-03	.2630	3.086	539.9
2.0000 .39000 20.000 .2200-01 .1810-01 .2450-01 .6357-03 .5250-03 .7106-03 .3830 4.520 .2.0000 .42600 21.000 .2920-01 .2410-01 .3260-01 .8453-03 .6979-03 .9451-03 .5080 5.961	33	2.0000	.33700	19.000	.2550-01	.2110-01	. 2860-01	.7415-03	.6123-03	. 8290-03	0944.	5.264	540.8
2.0000 .42600 21.000 .2920-01 .2410-01 .3260-01 .8453-03 .6979-03 .9451-03 .5080 5.961	33	2.0000	. 39000	€0.00D	.2200-01	. 1810-01	.2450-01	.6357-03	.5250-03	.7106-03	.3830	4.520	540.1
	33	2.0000	.42600	21.000	. 2920-01	2410-31	10-0962	Pu52-03	50-070-03	O. E 0.7	C O C O	1 98.1	מר ז

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DATE 07 OCT	7 001 75		0H-74 (AED	04-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT	HEATING	DATA ON OR	31 TER FUSEI		SIDE			PAGE 53
				0H-74 (AE)	DC V418-88	A) BÉZCIZF	04-74 (AEDC V418-88A) BÉ2C12F10H15W127E52V8R19	52VBR19				(RVB001)
Ş	TRA, E	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HC TAW!	7000	DTMDT	ž
NUMBER				R=0.9	R-1.0	R-TAW	BTU/ R	9TU/ R	8TU/R	910/	DEG. R	DEG. R
;							FTZSEC	FTESEC	FTPSEC	FT2SEC	535/	ç
S :	2.0000	00056.	25.000	1500-01	50-0056.	1340-01	50-0845.	50-6/89.	. 3890-03	2100	6.343	539.2
3 :	2.000	20/00.	7.000 3.000	20-000k	20-0062	20-0024	50-B853.	50-5/81.	. coba-03	0440	0/0.1	358.7
i E	2.3000	. 67000	26.000	1700-02	1400-02	. 1900-02	4977-04	13-64 13-94	.5550-04	3000-01	3280	537.3
; E	2.0000	.70500	27.000	-2700-05	. 2200-02	3000-05	.7840-04	.6481-04	40-65Z6·	.4700-01	.5120	537.2
33	2.0000	. 75000	28.003	.3300-02	5700-05	.3700-02	.9522-04	.7871-04	.1064-03	.5807-01	.6350	537.0
33	2.0000	.80000	29.000	.2,00-02	.1800-02	5400-05	.6171 -04	.5101-04	.6894-04	.3700-01	.4130	537.3
33	2.0000	.82400	30.000	.6000-03	.5000-03	.6000-03	+0-6991	.1379-04	1864-04	100001.	1410	537.8
33	3.0000	.20000	31.000	.3150-01	. 2600-01	.3530-01	.9131-03	.7530-03	. 1022-02	.5420	5.779	545.2
33	3.0000	. 22500	32.000	.2500-01	.2070-01	.2800-01	.7251-03	.5983-03	.8111-03	0484.	4.862	543.4
33	3.0000	.25000	33.000	.2020-01	16-0731.	.2260-01	.5847-03	.4827-03	.6538-03	.3510	3.936	541.6
33	3.0000	.27500	34.000	.1640-01	. 1360-01	.1830-01	.4753-03	. 3926-03	.5313-03	.2860	3.435	539.9
33	3.0000	.30000	35.000	10-0161.	10-0851.	.2130-01	.5532-03	.4570-03	.6182-03	.3340	4 139	539.1
33	3.0000	. 32500	36.000	.2840-01	. 2350-01	.3180-01	.8235-03	.6801-03	.9205-03	0964.	5.822	540.3
33	3.0000	.35000	37.000	.2470-01	.2040-01	.2760-01	.7147-03	.5904-03	. 7989-03	.4300	5.006	539.8
33	3.0000	.37500	38.000	.2410-01	10-0661.	.2690-01	.6967-03	.5754-03	.787-03	.4200	4.932	539.7
33	3.0000	00004.	39.000	.2240-01	. 1850-01	.2500-01	.6480-03	.5353-03	.7242-03	.3910	۲.617	539.!
33	3.0000	.42500	40.000	.1870-01	1540-01	10-0602.	.5404-03	.4464-03	.60+0-03	. 3260	3.867	539.6
33	3.0000	.45000	41.000	.1580-01	.1300-01	10-0921.	.4563-03	3770-03	.5098-03	.2750	3.155	539.5
33	3.0000	.47500	42.000	.1130-01	.9400-02	. 1270-01	3280-03	.2711-03	.3665-03	. 1980	2.213	538.2
33	3.0000	. 50000	43.000	.7200- 02	.5900~02	-00008.	.2078-03	.1717-03	. 2322-03	. 1250	1.405	538.1
33	3.0000	. 52500	44.000	.5500-02	.4600-02	.5200-02	. 1602-03	.1325-03	.1790-03	.9700-01	1.140	537.2
33	3.0030	. 55000	45.000	-4800- 0 5	50-000×.	5400-05	.1409-03	.1164-03	.1574-03	.8500-01	. 9520	537.5
33	3.0000	60000	46.000	.2600-02	-2100-05	.2900-02	+0-06+6	.6176-04	.8345-04	.4500-01	٠493 <u>0</u>	536.7
33	3.0000	.65000	47.000	-1100-05	.9000-03	. 1200-02	.3161-04	.2613-04	.3530-04	1900-01	. 2040	536.1
33	3.0000	. 70000	48.000	-5000-05	. 1700-02	.2300-02	.5915-04	40-0684°	.6607-04	.3500-01	. 3970	536.4
33	3.0006	. 75000	49.000	.2600- 02	. 2200-02	. 2500-02	.7647-04	.6322-04	.8542-04	.4630-01	.5050	536.6
33	3.0000	.80000	50.000	.1600-02	-1400-05	. 1800-02	.4731-04	.3911-04	.5285-04	.2900-01	. 3080	536.9
33	3.0000	. 85000	51.000	.1000-02	.8000-03	.1100-02	.2922-04	·2414-04	.3265-04	. 1800-01	.2190	538.8
33	3.0000	. 87503	52.000	. 1833-02	. 1500-02	-2000-05	.5085-C4	.4231-04	.5682-04	3100-01	.3810	539.0
33	3.0000	. 90000	53.000	-00-02-	. 1800-02	.2500-02	.6375-04	.5266-04	.7125-04	.3800-01	.5350	539.6
33	3.0000	. 92500	54.000	-20-0062	20-00-2	.3300-02	.8525-04	.7041-04	.9529-04	.5100-01	.6743	540.0
33	3.0000	. 95000	55.000	3000-05	.2500-02	.3300-02	.8592-04	.0-7607 .	.9504-04	.5200-01	. 5250	539.7
33	4.0000	. 20300	71.000	.3:70-01	.2620-01	.3550-01	.9190-03	.7574-03	.1029-02	.5470	6.235	547.2
33	٠, 0000	.22500	72.000	10-0692.	.2220-01	3010-01	.03	.6420-03	.8707-03	.4650	5.455	544.3
33	٠, 0000	.25000	73.000	. 2 *19-01	. 1990-n1	.2590-01	.695a-03	.5749-03	.793-03	.4170	4.895	543.1
33	4.0000	.27500	2₹.000	. 2550-61	.2100-01	. 2850-01	.7378-03	.6089-03	.8251-03	.44SD	5.478	54.0
33	4.0000	30000	26.000	. 2820-01	.2330-01	.3150-01	. 8162-03	.6737-03	.9128-03	0064.	6.422	542.3
33	4.0000	. 32500	57.000	.2220-01	1840-01	.2490-01	.6439-03	.5317-03	.7199-03	.3870	£.083	540.8
33	4.0000	.35000	59.000	10-0-61	1600-01	.2170-01	.5622-03	.4644-03	.6285-03	.3390	4.446	540.0
33	4.0000	.37500	59.000	10-0451.	.1270-01	. 1720-01	.4455-03	.3688-03	.4989-03	.2693	3.538	539.0
33	4.0000	. +0000	60.000	. 8600-02	.7100-02	.9600-02	.2-83-03	.2052-03	.2774-03	1500	1.972	538.3
33	4. C000	.42500	61.000	50-0075.	50-00 7 4.	.6400-02	.1649-03	. 1363-03	. 1842-03	.1000+00	1.3:1	537 5

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATE 07 OCT	27 73		04-74 (AEDI	0H-74 (AEDC V418-88A)		DATA ON OR	HEATING DATA ON ORBITER FUSELAGE PORT		3016			PAGE	ž,
				0H-74 (AE	DH-74 (AEDC V418-88A) 862CLZF10M16HIZ7E5ZVBR19	1) BB2C12F1	10M16W127E	52VBR19				(RVB	RV80013
NCHBER MABER	TRA.E	X	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R=TAM	H(910) BTU/ R	H(TO) BTU/ R	HCTAW) BTU/ R	0001 BTU/	DTMOT DEG. R	7₹ DEG.	ac
£ :	4.0000	000GA	62.000	500-054.	.3700-02	. 5000-02	FT25EC .1292-03	FT2SEC . 1068-03	FT25EC	F125EC	/SEC	537.0	
E	. r.000	50000	64.000	3500-02	500-05.	.3900-02	.1015-03	.8393-04	.1134-03	.6100-0;	. 7850	537.1	
8	₩. J000	.52500	65.000	-1900-05	.1600-02	-20-0015.	.5540-04	+0-985.	+0-6808.	10-0074.	.5440	536.9 536.9	
33 53	4.0000 4.0000	.55000	66.000	50-00-1	.1100-02	. 1600-02	4054-04	.3327-04	+0-56++.	.2400-01	.2870	536.6	
33	٠.0000	.65000	68.000	. 7000-03	.6000-03	.8000-03	-0000-04 -2099-04	.1735-04	.1738-04	-0-0006.	. 1060	536.3 536.3	
33	4.0000 4.0000	. 75000	69.000	50-00-02	.1300-02	. 1800-02	40-2494.	.3839-04	-5190-04		.3140	537.8	
33	4.0000	.80000	75.900	.9000-03	.7000-03	.1000-02	.2.64-04 .2.64-04	.2036-04	.6440-04	.3500-01	.3900	537.3	
3 17	4.0000	.87500	75.000	.1100-03	.90-00-03	.9000-03	.2235-04	.1847-04	-2497-04	1300-01	.1600	538.1	
33	٠٠ . 0000	00006.	78.000	.3000-02	.2500-02	.3300-02	.8630-04	.7130-04	.9645-04	.1900-01	.5473 .6760	538.1	
a E	. 0000	. 9 5007	79.000 80.000	50-009x.	.4000-02	.5400-02	. 1402-03	.1158-03	.1567-03	.6+00-91 .7900-01	1.047	539.8 540.1	

DATE 07	DATE 07 OCT 75		CH-74 (AEDC V418-98A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	: V418-98A1	HEATING C	DATA ON OR	BITER FUSEL	AGE PORT S	3019			PAGE 55
				OH-74 (AE	C W18-89	v Beeciaf	04-74 (AEDC 9418-88A) BG2C12F10H1G4127E52V8R19	52VBR19				(RVB001)
ORBITER	ORBITER FUSELAGE							PARAME	PARAMETRIC DATA			
					BETA	. 0000	MACH	B.000	ELEVON .	0000.	RUDDER .	.0000
					1531	***TEST CONDITIONS***	NS•••					
2	MACH	ALPHA	8	10	Ŧ	YAW		a 8	0 8	7	\$ 50 E	HC 252
NUMBER		060	¥. ₹.	DEG. R	DEG.	066		<u>₹</u>	Š	3	/FT3	/FT2
9	7.980	19.73	¥19.6	1292.	-179.9	0000	9.10	.4400-01	1.947	3792.	.3896-04	.7573-07
P.C.	PP/L	HREF	STN NO									
NUMBER	X10 B	8TU/ R	. 0. 87.									
9	8	.3423-71	2838-01									
					•	**************************************	:					
å	10101	, ,	(X	H/HBEF	H/HREF	H/HREF	H(910)	H(10)	H(TAM)	1000	DTMDT	¥
M. M. M.	1000	ì) }	R-0.9	R-1.0	R-TAH	81U/ R	BTU/ R	BTU/ R	910/	DEG. P	DEG. R
							FT2SEC	FTSEC	FT2SEC	FTZSEC)SEC	(
ć,	1.0000	.27500	1.0000	1220-01	10-0101.	1360-01	.4162-03	3444-03	.4647-03	. 2580 240 240	2.550	542.8
9 9	0000	30000	≥.0000 * 0000	10-0000	8200-02	1000-01	.3373-03	.2793-03	.3765-03	.2100	2.155	541.5
? ?	0000.1	35000	\$.0000	.9300-02	50-0077.	1030-01	.3173-03	.2627-03	.3541-03	0.1970	2.047	1.140
9	1.0000	.37500	5.0000	.86° 32	.7100-02	.9600-02	.2945-03	5437-03	.3936-03	. 1830	2.253 2.255	2 1.1 2 2 1.1 2 2 1.1 2
9 9	0000-	00004.	7.0000	9500-05	50-00CF.	10-0501.	.3265-03	.2703-03	.3643-03	.2030	5.106	541.1
9	1.0000	.45000	8.0000	10-0921	10-0501.	.1410-01	.4324-03	.3580-03	.4825-03	.2690	2.752	541.1
ç (1.0000	7500	0000.6	1780-01	10-01-1	19-0561	5775-03	50-0864.	.6445-03	3590	3.635	541.9
9 9	0000	52500	11.000	16-0-91	1350-01	.1830-91	.5598-03	.4634-03	.6248-03	.3+8℃	3.525	541.8
9	1,0000	.55000	12.000	.1820-01	.15:0-01	.2030-01	.5230-03	.5157-03	.6954-03	3970	3.887	54. 5.0 5.0
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9	0000.1	70000	15.003	10-0645	10-0857	10-0219	1879-02	1552-02	-2100-05	1.153	11.65	549.0
5 5	0000	0000C	17,000	.2850-01	.2350-01	.3180-01	.9740-03	.8055-03	.1088-02	.6020	5.824	545.1
7 7	0000.5	.28500	18.000	11150-01	.9500-02	1350-01	3973-03	.3297-03	.44 35-03	.2460	2.885	543.5
2 9	2.0000	33700	19.000	11130-01	20-00:6	16-0221.	.3756-03	.3108-03	.4193-03	.2330	2.748 0.069	5,47.6
9	2.0000	39000	20.030	10-0811.	50-5076.	1310-01	.4026-03	.3333-03	50-4644.	2500	7.933 7.864	54.75 540.00
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2,0000 55700 26,0000 1370-01 1362-01 1369-01 1370-01 1	9 C	2.5000	.62000		.7100-01	.5860-01	.7930-01	.2429-02	.2006-02	.2716-02	1.487	16.10	550.7
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4,0000 25500 72,000 2670-01 2890-01 9145-03 7553-03 1028-02 5600 4,0000 2500 73,000 2040-01 1680-01 6973-03 5553-03 1790-03 4900 4,0000 27500 74,000 1610-01 1330-01 1800-01 5555-03 458-03 7790-03 3910 4,0000 3000 56,000 11550-01 1730-01 558-03 458-03 5813-03 3280 4,0000 3500 59,000 2620-01 2710-01 2930-01 374-02 374-03 3880 4,0000 3750 59,000 4220-01 3780-01 474-02 1193-02 3530 4,0000 40000 60,000 3930-01 4890-01 4719-02 1193-02 2589-03 1742-03 3690 4,0000 40000 50,000 4920-01 3780-01 4719-02 1193-02 32890 45890 4,0000 40000 50,000 49800-01 4719-02	9	4.0000	C0062.	71.000	.3550-01	. 2940-01	.3980-01	. 1219-02	. 1006-02	. 1364-02	7450	0.4.U	9 0
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4,0000 27533 74,000 1610-01 1330-01 1800-01 5525-03 4568-03 6171-03 3410 4,0000 30000 56.000 1350-01 1120-01 1510-01 4634-03 3813-03 5175-03 3410 4,0000 30000 56.000 1350-01 1120-01 1510-01 4634-03 3813-03 59.1-03 3880 4,0000 32500 58.000 1260-01 1290-01 18930-01 1730-01 18930-03 7415-03 1002-02 5530 4,0000 37500 59.000 4220-01 3480-01 4710-01 18350-02 1193-02 11613-02 18880 4,0000 4,0000 60.000 5930-01 5730-01 18530-01 2367-02 1575-02 1675-02 1740-01 1442	9	4.0000	.25000	73.000	10-0402.	10-0891	.2280-01	.6973-03	.5763-03	.7790-03	0524.	50.0	+ · · · · ·
4,0000 30000 56,000 1350-01 1120-01 15:0-01 4634-03 3833-03 5175-03 28860 4,0000 32500 57.000 1550-01 1280-01 1730-01 5284-03 4739-03 5175-03 3880 4,0000 32500 57.000 1550-01 1280-01 1730-01 5894-03 4739-03 595.1-03 3880 4,0000 35000 59.000 2620-01 2770-01 8930-01 14710-01 1193-02 1193-02 1613-02 5880 4,0000 4,0000 60.000 5930-01 4890-01 6620-01 6620-01 1675-02 1675-02 2869-02 1.240 4,0000 4,0000 61.000 61.000 5930-01 5730-01 7730-01 2367-02 1953-02 2647-02 1.442	9	4.0000	.27530	74,000	1610-01	1330-01	10-0081.	. 5525-03	. 4568-03	.6171-03	0145	נייל נייל	n 0
4,0000 ,32530 57.000 ,1550-01 ,1280-01 ,1730-01 ,5294-03 ,4379-03 ,59.1-03 ,5280	9	4.0000	.30000	56.000	1350-01	.1120-01	15:0-01	.4634-03	. 3833-03	.5175-03	. 2850	55	n - 1110
4.0000 .3500 58.000 .2620-C1 .?170-O1 .2930-O1 .8959-O3 .7415-O3 .1002-O2 .5530 4.0000 .37500 £9.000 .4220-D1 .3480-O1 .4710-O1 .1444-O2 .1193-O2 .1613-O2 .8880 4.6000 .40000 60.000 .5930-O1 .4890-O1 .6630-O1 .2029-O2 .1675-O2 .2269-O2 1.240 4.6000 .42500 61.000 .5910-O1 .5700-O1 .7730-O1 .2367-O2 .1953-O2 .2647-O2 1.442	7	4.0000	.32500	57.000	.1550-01	12-08-21	.1730-01	.5294-03	.4379-03	.59. :-03	. scan	56.0	7 P
4,0000 37500 59.000 4220-01 3800-01 4710-01 1444-02 1193-02 1613-02 80990 4,0000 4,0000 60.000 59.000 5930-01 4890-01 6630-01 5029-02 1575-02 1575-02 1280-01 5000 4,0000 51.000	0,1	4.0003	.35000	58.000	10-0292.	10-0715.	.2930-01	.8359-03	.7415-03	- 1002-02	.5530	7.637	ָּהְיִּהְ קיני קיני
4,6000 .40000 60.000 .5930-01 .4890-01 .6630-01 .2029-02 .1675-02 .2269-02 1.240 4.0000 4.2500 61.000 .6910-01 .5700-01 .7730-01 .2367-02 .1953-02 .2647-02 1.442	C t	٠, 0000	.37500	29.000	.4220-D	.3480-01	.4710-0:	- 1444-02	.1193-02	.1613-02	0886.	9.5	7.7.0
£ 0000 £ 2550 61,000 .6910-01 .5700-01 .7730-01 .2367-02 .1953-02 .2647-02 1.442	ç	4.6000	00004.	600.00	10-0265	10-0684	.6630-01	.2029-02	. 1675-02	. 2269-02	Q	5.0	0.100
	3	6.0000	42500	61.000	.6910-01	.5700-01	.7730-01	.2367-02	. 1953-02	. 2647-02	244.	18.8	003.0

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DATE 07 OCT	7 001 75		3 K-10	OH-74 () V418-88A)		ATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT		\$10E			PAGE	51
				0H-74 (AEE	XC V418-88A	1) B62C12F1	34-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	2V8R19				(RVB001)	=
Z	TRACE	X/X	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HITAM	1000	DTMDT	3	
N PROFILE		1		R-0.9	R=1.0	R-TAW	BTU/ R	BTU/ R	81U/ R	910/	DEG. R	DEG. R	
							FT2SEC	FTZSEC	FT2SEC	FT2SEC) SEC		
9	4,0000	45000	62.000	.6060-01	.5000-01	.6780-01	.2074-02	-1712-02	-2319-02	1.266	16.34	555.2	
ģ	0000	47500	63.000	4310-01	.3560-01	.4820-01	.1476-02	. 1219-02	. 1649-02	.9070	11.52	548.3	
9	F. 5000	20000	64.000	.2€10-01	10-0661	.2690-01	.8248-03	.6823-03	.9209-03	.5100	6.316	544.	
9	7,1000	52500	65.000	10-0901	1540-01	.2070-01	.6359-03	.5263-03	.7098-03	.3940	¥.88.	542.6	
7	0000	55000	66.000	1400-01	1160-011	10-0751.	.4807-03	.3979-03	.5365-03	.2990	3.505	4:13	
3	. 0000	.60000	67.000	50-006.	. 8200-02	10-0111.	.3403-03	.2818-03	.3797-03	.2120	2.389	1.046	
3	4.0000	65000	69.000	-8000-05	.6700-02	-9000-05	.2753-03	.2280-03	.3072-03	. 1710	4.0.5	540.0	
9	4.0330	70000	69.000	.6300-02	.5200-02	-7100-02	.2163-03	. 1791-03	.2414-03	.1350	1.501	540.8	
Ç	0000	75000	70.000	.5500-02	.4600-02	.6200-02	1891-03	.1566-03	.2110-03	0811.	1.314	540.3	
9	4.0000	.80000	75.000	. 2200-02	. 1800-02	.2500-02	.7574-04	.6272-04	.8452-04	.4700-01	.5680	9.046	
ç	6.000	.05000	76.000	.2800-02	-5300-25	.3100-02	10-1616.	.7864-04	. 1059-03	.5900-01	.7030	539.6	
9	4.0000	.87500	77.000	S0-0074.	3900-05	. 5200-02	.1596-03	.1321-03	.1781-03	10-0066.	1.303	0.140	
9	4.3050	00006	78.000	.7100-02	5900-05	. 8000-02	. 2443-03	.2022-03	.2727-03	.1520	1.964	6,42.6	
9	4.3000	92500	79.000	5700-02	50-0074.	.6300-02	. 1935-03	.1602-03	.2159-03	.1200	1.489	541.8	
Ş	4.0000	.95000	8C.000	-2300-05	1500-02	.2600-02	.7962-04	.6592-04	.88B6-04	10-0064.	.5810	5+1.3	

DATE 07	DATE 07 OCT 75		OH-74 (AEDC	OH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	HEATING (DATA ON OR	BITER FUSEI	AGE PORT S	3106			PAGE 58
				0H-74 (AE	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	A) B62C12F	10M16W127E!	52VBR19				(RVB001)
ORBITER	ORBITER FUSELAGE							PARAM	PARAMETRIC DATA			
					BETA	0000	MACH	. 8.000	ELEVON .	J000 ·	RUDDER .	.0000
					1531	***TEST CONDITIONS***	•••S					
RUN	насн	ALPHA DEG.	PSIA	T0 DEG. R	PH 1 DE 6.	YAN DEG.	_ 0€6. R	4 ¥15	PSIA	Y FT/SEC	SLU65	235-87 24
ï	7.980	¥.87	420.0	1293.	-179.9	.0000	94.10	.4400-01	9.69	3794.	.3897-74	70-6737.
RUN	AN/L X10 6 /FT	HREF BTU/ R FT2SEC	STN NO R= .0175									
÷	<u> </u>	. 3463-01	in person.		:	**************************************	:					
å	0	\$	7,7	J.GH./H	ה/חמננ	. 38171	(010)1	101	HCTAW	1000	DTWDT	Į
NC MER	3786	٧,٢	2	R.0.9	ο. •	R=TAH	BTU/ R	atu, R	BTU/ R	B7U/	DEG. R	DEG. R
							FT2SEC	FTZSEC	FT2SEC	FT2SEC)35 <i>/</i>	
; ;	1.0000	.27500	1.0000	1340-01	9900-02	1340-01	.4587-03	.3401-03	.5117-03	.2560	2.969 2.723	540.3 539.8
; ;	1.0000	.32500	3.0000	.1080-01	-0006.	10-0121.	.3715-03	.3078-03	.4:44-03	. 2320	2.387	539.4
, ;	1.0000	.35000	4.0000 4.0000	. 1060-01	50-00-8.	10-0611	3646-03	.3020-03	.4066-03	.2370	2.366 2.500	539.0 539.9
7 7	1.0000	00004	6. 6000	.1150-01	. 9500-02	. 1280-01	. 3944-03	.3267 - 43	4399-03	.2460	2.534	539.3
<u>;</u>	1.0000	42500	7.0000	1600-01	1330-01	10-06-11.	5494-03	. 4549-03	.6130-03	. 3420	3.55(540.8 540.7
7 7	1.0000	00004.	9.0000	. 1860-01	1540-01	.2080-01	.6372-03	.5276-03	.7111-03	. 3960	4.037	541.7
ž	1.0000	.50003	10.000	.£010-01	19-0991	10-0425.	.6870-03	.5688-03	.7667-03	0757.	4.335	541.5 FLD 6
Ŧ :	1.0000	.52500	11.000	10-0442.	.2020-01	2730-01	.8355-03	1931-03	. 1070-02	.5950	5.973	542.9
, ,	1.0000	00009.	13.000	.5640-01	. 4660-03	.6300-01	.1932-02	1596-02	-5158-02	1.188	12.01	4.846
-	0000.1	.65000	000.4:	.4110-01	10-0048.	10-0654.	. 1407-02	.1164-02	.1572-02	.8700	8.802	343.6
7	1.0000	.70000	15.000	. 1640-01	. 1350-01	1830-01	.5504-03	.4638-03	256-03	3480	3.399	54.5.3
 7	1.0000	. 75000	16.000	1150-61	50-0015	960-00-8	50-85/5 F0-849/	50-5016	. 2956-03	. 1650	1.595	542.3
 	יייייי ת	28500 00585	18.000	1450-01	1200-01	. 1620-01	.4967-03	.4115-03	.55'+0-03	3100	3.647	539.0
; ;	2.000€ ≥.000€	.33700	19.000	1270-01	.1060-01	14-20-01	.4365-03	.3617-03	.4868-03	סבנכ.	3.226	538.4
; ;	2.0000 2.0000	.39000	20.000	1880-01	.1550-01	.2100-01	.6437-03	.5333-03	.7180-0-	0704.	4.750	539.2
ŗ	€.0009	. 12600	21.000	10-06+2.	.2060-01	.2780-01	.8537-03	.7068-03	.9526-03	.5310	6.239	541.3
,	2.0000	.47800	22.000	.3690-01	.3050-01	.4120-01	. 1264-02	. 1046-02	. 1410~02	. 7850	3. 7. E	9.540

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DH-74 (AEDC V418-8PA) HEATING DATA ON ORBITER FUSELAGE PORT SIDE

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(RVB001) 545.3 542.1 541.3 540.3 540.6 538.8 537.8 538.0 539.9 541.7 539.9 539.7 539.5 539.5 539.1 541.: 548.9 7.1.40 537.7 546.5 544.4 0TM0T CEG. R /SEC 14.63 9.330 4.455 3.034 2.125 1.586 1.188 .4160 6.729 5.985 4.557 3.839 3,414 3,468 3,468 6,630 6,630 11,56 11,56 11,56 11,56 11,36 11,36 11,46 40001 BTU/ FTESEC 1.317 .8650 .4100 .2790 .1970 .1940 .1070 .3000-01 6350 .5560 .6583 .9760 .9760 .1.278 .1.278 .8330 .4540 .3330 .1830 .1830 .1830 .1830 .1710 1700 1590 1440 .2576-03 .1922-03 .5342-04 .5705-03 .5945-03 .9940-03 .1256-02 .1759-02 . 1502-02 . 1502-02 . 8149-03 . 5966-03 . 3265-03 2388-02 4999-03 .3049-C3 .2852-03 .2589-C3 1561-02 7353-03 3528-03 1151-02 9628-03 4839-03 5252-03 1393-03 7582-04 1202-03 3054-03 1435-02 1084-02 8239-03 6852-03 632!-03 1090-02 HITO) BTU/ R FT2SEC .1772-02 .1766-02 .5454-03 .5401-03 .3965-04 .8520-03 .7380-03 .1713-02 .1695-02 .1113-02 .6046-03 .4427-03 .2914-03 .1035-03 .1060-02 .8021-03 .6104-03 5089-03 .9920-C4 .2260-03 .2115-03 .4692-03 .8089-03 .1409-02 1913-03 3641-03 3903-03 1303-02 2272-03 2H-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19 H(910) BTU/ R FT2SEC .1398-02 .6588-03 .3162-03 .1722-03 .4798-04 .6521-03 .6521-03 .5115-03 .4393-03 .4710-03 .5370-03 .8910-03 .2052-02 .2052-02 .1345-02 .7302-03 .5346-03 .3518-03 .6799-04 .6799-04 .1677-03 .2745-03 .2731-03 .1284-02 .1938-02 6147-03 5565-03 9771-03 .7500-02 .5500-02 .1500-02 .1150-01 .9500-02 .6400-02 .4103-02 .2200-02 .3580-01 .3580-01 .5140-01 .6690-01 .4390-01 .2380-01 .8300-02 .8300-02 .7600-02 .3160-01 .2410-0: .2000-0: .1460-01 .2810-01 .2120-01 .1670-01 .3180-01 .5560-01 .6320-01 2150-01 10-0461 8900-05 1430-01 10-0614 1530-01 .1740-01 1859-03 . 1080-01 . 7600-02 . 5600-02 . 4200-02 . 1200-02 .3380-01 .2650-01 .2650-01 .3800-01 .3250-01 .7100-02 55-008*. .6200-02 .5600-02 1580-01 1590-01 .2080-01 16-0421. 1060-01 1140-01 .1290-01 . 8500-02 3000-05 .1636-62 .2600-c2 6600-02 6500-02 2340-01 1780-31 .5000-01 .4950-01 10-0621 3100-01 1490-01 1370-01 .6730-02 .5000-02 .1400-02 .3010-01 .1310-01 .1370-01 .1560-01 .2600-01 .3210-01 .1030-01 8500-32 .5830-02 .2000-02 .3100-02 10-0641. . 7530-02 2130-01 3500-05 68C0-02 H/HREF R=0.9 1280-0 5990-01 3930-01 1560-01 6050-01 3752-01 2830-01 2:50-0: 1790-01 1653-01 2850-01 16-0664 ş 23.000 195.000 196.000 197.000 53.000 54.000 55.000 71.000 72.000 52.000 1,0 55000 -56700 -66000 ĭ TRALE 2.0000 2.0000 2.0000 3.000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000

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DATE 07	DATE 07 OCT 75		0H-74 (AEDC	04-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT	HEATING D	ATA ON ORE	IITER FUSEL		3018			PAGE	90
				OH-74 (AED	0H-74 (AEDC V418-88A) 862C12F10M16M127E5ZV8R19) B62C12F1	10M16W127E	52V8R19				(RVB001)	2
RUN	TRACE	x/k	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R=TAW	H(910) BTU/ R FT2SEC	H(TO) BTU/ R FT2SEC	HITAM) BTU/ R FT2SEC	0001 81U/ FT2SEC	DTWDT DEG. R /SEC	TW DEG. P	
7	4.0000	.45000	62.000	.1300-01	10-0201.	1450-01	50-5444.	.3581-03	.4959-03	0775.	3.591	540.8 540.8	
33	4.0000	50000	63.000	. 1030-01	.6900-02	. 1150-01	. 2854-03	.2364-03	3184-03	. 1780	2.209	539.8	
; ;	4.0000	.52500	65.000	.6500-02	5400-02	.7200-02	. 2224-03	1842-03	.2481-03	0621.	1.719	540.3	
; ;	۴.0000	.55000	65.003	50-0004.	.3300-02	- 20-0054.	.1385-03	.1147-03	. 1545-03	.8600-01	.9750	539.3	
;	4.0000	.65000	69.000	3400-05	.1700-02	.3800-02	.1172-03	.5776-04	.1337-03	. 7-00++.	. 4860	539.1	
F F :		75000	000.07	. 1200-02	.1000-02	.1300-02		.3267-04	.2876-04	. 250¢ -01	.2760 .1940	538.0 539.0	
; ;	4.0000	.85000	76.000	1200-02		. 1400-02	•	.3501-04	40-4164.	.2500-01	.3130	539.3 539.3	
, , ,	4,0000 4,0000 4,0000	.90000	000.6t	.3700-02 .3700-02 .4603-02	.3000-02	50-0025.	.1256-03	1040-03	1401-03	.9900-01	1.016	540.1	
,	4.0000	.95000	E0.000	.4000-02	.3300-02	.4500-02	.1374-03	, 1138-03	. 1533-03	. 8500-01	C00.1	5. -	

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DATE 07	DATE 07 0C1 75		04-74 (AEDK	04-74 (AEDC V418-88A)		HEATING DATA ON ORBITER FUSELAGE PORT	BITER FUSE	LAGE PORT 9	S10£			PAGE 61
				0H-74 (AE	OH-74 (AEDC V418-88A) BG2C12F1OM15W127E52V8R19	A) B62C12F	10M15W127E	52V8R19				(RVBC01)
ORBITEF	ORBITER FUSE, AGE							PARAM	PARAMETRIC DATA			
					BETA	0000	MACH	8.000	ELEVON .	. 0000	RUDOER .	. 0000
					•••TES	***TEST CONDITIONS***	•••					
RUN NUMBER	МАСН	ALPHA DEG.	P0 A124	10 DEG. R	₽ 966.	YAH DEG.	→ DEG. R	PS1A	O PSIA	, F1/SEC	RHO SLUGS	HU LB-SEC
ç	7.980	78.62	4.19.1	1293.	-179.9	0000.	g₹	.4400-01	2.9.1	3794.	.3889-04	1579-07
S.	F4/L	HREF	STN NO									
MOTBEN 42	7.77 1.947	FT25EC .3422-01	. 2901-01									
					:	TEST DATA	:					
ā	TOACE	, , , , , , , , , , , , , , , , , , ,	1/5 NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAW)	7000	DTWDT	3
NO-BER	1000	į	?	R=0.9	R-1.0	R-TAH	BTU/ R	81U/ R	BTU/ R	810/	OEG. R	DEG. R
							F125EC	FTZSEC	F1255C	7.72SEC	/>EC	2
ري د د	1.0000	20005	00000	10-0621.	50-0701.	1300-01	29-8244.	.3308-03	.4457-03	06,5.	2.645	540.7
, t	1.0000	.32500	3.0000	1176-31	50-0076.	1300-01	.3990-03	.3305-03	.4452-03	.2490	2.559	540.3
t d	1.0000	.35000	4.0000	10-0611.	50-0066.	1330-01	.4075-03	. 3375-03 50-4505	.4546-03	0.425. 0.425. 0.805.	2.397	539.9
ů,	0000.1	. 37500	5.0000	10-0/01.	10-0151.	10-0505.	6354-03	. 5261-03	.7090-03	.3960	4.058	541.1
i d	1.0000	. 42500	7,0900	1930-0:	1590-01	.2150-01	.6591-03	.5456-03	.7355-03	00:4.	4.253	5.1.7 1.1.1
ţ	1.0000	.45000	8.0000	.2110-01	.1750-0.	.2350-01	.7231-03	.5986-03	.8070-03	.4500	r .60.	54 - 18 14 0 14 14 0 14
i i	1.0000	. 47560 09004	9,8000 11,000	10-0909	10-00/17	10-0022	1011-02	.8362-03	1128-02	.E270	6.350	543.4
ų č	1.0000	.52500	11.389	.3070-01	.2540-01	.3420-0!	53-640:	.8579-03	-11711	.6503	6.581	9. 4.5
i Å	1.0000	.55000	12.300	3340-01	.2750-01	:3-0272.	-1142-02	. 9449-C3	50-575.	C	7:097	54.4 10.4 10.4
ţ.	1.0000	.60000	13.003	10-0315.	10-0101	.2346-01	7182-03	50-5965.	50-3159	0 C	4.177	542.9
ğ.	1.0000	. 65500	000.41	10-0-61	10-0561	10-0-091	5168-03	4278-03	.5768-03	.32:0	3.140	542.4
, d	0000	2000.	16.000	6200-02	.5100-02	53-0069.	.2114-03	.175!-03	.2359-03	.1320	1.336	5+0.5
ţ	1.6360	00000	17,639	.1603-02	50-0041.	.1900-02	. 5624-04	40-7684.	.6275-04	.3500-01	.3400	540.8
i ů	2.0000	. 29500	18.039	11470-01	1820-01	1640-01	. 5025-03	.416:-03	.56 19-03	.3130	3.675	540.9
ů	2.0000	.32700	19.000	.1230-01	.1020-01	1370-01	.4194-03	3474-03	.4680-03	.2610	3.088	240.3
÷,	2.0000	33000	20.290	.2539-01	10-0715.	2930-01	6990-03	20-1447.	1038-06	. 6500	7.624	5.44.0
ş, ç,	2.0000	00554.	21.000 22.300	.3070-01 .4030-01	.3330-01	.4500-01	.1378-02	50-0411.	. 1539-02	.8530	954.6	6.475
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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATE 07	07 OCT 75		04-74 (AED)	OH-74 (AEDC V418-88A)	HEATING (HEATING DATA ON ORBITER FUSELAGE PORT	IIER FUSEL		SIDE			PAGE 62	
				0H-74 (AE	04-74 (AEDC V418-88A) BG2C12F10M16W127E52VBR19	N B62C12F	IOMIGWI27E	32V8R19				(RVB001)	
PON SIGN	TRACE	X/L	1/C NO	H/HREF R=0.9	H/HREF	H/HREF R-TAH	H(910)	H(10)	HITAM)	abot BTU/	DTMD1 DEG. R	74 DEG. R	
430.04							FTZSEC	FT2SEC	FT2SEC	FIZSEC	/SEC		
Ğ	2.0000	.53000	23.000	10-0415.	10-0771.	.2390-01	.7326-03	.6063-03	.8178-03	.4550	5.056	543.2	
4	S.0000	.56700	54.000	. 1620-01	.1340-01	1910-01	.5538-03	.4584-03	.6181-03	3440	M . 743	54.03	
ţ	2.4.300	.62000	25.000	10-0801.	.8900-02	. 1200-01	. 3678-03	.3046-03	.4105-03	. 2290	2.493	341.1	
Š	2.3000	.67000	26.000	-00006.	.7400-02	1000-01	. 3066-03	.2539-03	.3420-03	1910	2.083	539.9	
ď,	€.0000	.70500	27.000	.7300-02	.6000-02	.8100-02	.2494-03	. 2066-03	.2783-03	.1560	1.679	539.8	
Ğ	2.0000	.75000	29.000	.3600-02	.3000-02	S0-0014.	.1246-03	. 1033-03	1390-03	10-0084	.8560	539.2	
Š.	€.0000	.80000	29.000	. 1500-02	. 1200-02	.1700-02	10-811C	*0- * 82*.	.5742-04	.3200-01	. 3550	3.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	
Ę	2.0000	. 82400	30.000	.3000-03	.3000-03	£0-000h.	.1165-04	.9647-05	1300-04	.7000-02	0101.	540.0	
Ğ,	3.0000	. 20000	31.000	. 2960-01	.2440-01	10-0022	-1011-02	.8358-03	. 1130-02	.6230	5.593	0.040	
ţ	3.0000	.22500	32.000	10-0165	. 2080-01	. 2800-01	.8593-03	.7106-03	.9597-03	.5310	.938	545.8	
Ç.	3.0000	.25000	33.000	.2010-01	10-0291	. 2250-01	.6892-03	.5704-03	.7693-03	.4280	4.793	5.0 0.0 0.0	
ş	3.0000	.27500	34.000	.1530-01	.1270-01	10-0121	.5246-03	.4344-03	.5853-03	.3270	3.920	9,040	
Š	3.0000	30000	35.000	10-00+1.	.1160-01	.1570-01	.4805-03	.3980-03	.5361-03	. 3000	3.715	540.3	
ş	3.0000	.32500	36.000	14-06-01	1540-01	.1660-01	.5105-03	.4228-03	.5695-03	.3180	3,740		
Ğ	3.0000	.35000	37.000	.2510-01	.2080-01	.2800-01	.8587-03	.7110-03	.9583-03	.5340	6.209	3. 1. 4	
ţ	3.6000	.37500	38.000	.3580-01	. 2960-01	.3990-01	.1224-02	. 1013-02	.1366-02	.7500	8.915	342.8	
ů	3.0000	60004.	39.000	. 2980-01	2470-01	.3330-01	. 1021-02	.8451-03	11140-02	.6340	7.470	343.4	
Ţ	3.0000	.42500	40.000	.2950-01	10-0442.	, 3290-01	.1008-02	.8343-03	.1126-02	.6250	7.405	0.44.0	
ď	3.0000	.4500c	41.000	10-0675.	.23:0-0;	.3120-01	. 9558-03	.7911-03	.1057-9 2	.5930	5.784	542.8	
ş	3.0000	.47500	42.000	19-0761.	.1636-01	.2200-01	.6732-03	.5573-03	.7514-03	.4193	4.668	97.1.0	
Ţ	3.0000	.59000	43.000	.1530-01	.1270-01	.1710-01	.5230-03	.4330-03	.5836-03	.3250	3.629	D. 1.10	
4.	3.0000	.52500	C00. ++	1030-01	8600-05	.1150-01	. 3541-03	.2933-03	.3951-03	.22:0	P. 594	540.2	
φ	3.0000	.55000	45.300	.9100-02	.7500-02	10-0101	.3103-03	.2570-03	.3462-03	0,61.	2.161	539.9	
4,	3.0000	.60000	45.009	.6403-02	.5300-02	.7200-02	.2196-03	. 1820-03	.2450-03	0.13.0	165·	539.3	
Š	3.0000	.65000	47.000	. 5200-02	.43C7-02	.5800-02	.1787-03	. 1481-03	.1993-03	.::20	1.188	538.8	
ţ	3 0000	.70300	48.000	.2800-02	. 2300-02	.3100-02	.9582-04	.79¥0-0¥	1069-03	.6000-01	.6630	538.5	
G	3.0000	.75000	49.338	. 1200-02	.1000-02	.1300-02	.4123-04	.3417-04	+C-86S+.	.2630-01	. 281C	537.9	
ş	3.0000	.82030	50.903	.9000-03	.7000-03	.1000-02	.2383-04	.2472-04	. 3327-04	10-0061	. 2000	538.5	
ç	3.0000	.85309	5 .099	SC-0048.	S000-05	S0-0018.	.8213-04	.6802-04	+0-+916·	.5100-01	.6350	3	
ر ک	3.6006	.87501	52.303	. 1 <u>9</u> 00-02	.1600-02	-2100-05	.6467-04	.5355-04	7217-04	10-000+.	065h.	ar (1 10.	
42	3.0000	.90000	53.000	.2200-02	.1800-02	.2500-02	.7583-04	.6278-04	.8463-04	.4769-0:	.6.77	m (1)	
ţ	3.0005	92500	5000	. 2530-32	.2200-02	. 2900-02	+0-106B.	.7369-04	. 9934-04	. 5500-01	. 7263	D	
۲	3.0000	.95000	55.65	. 2000-c2	50-0011.	. 2300-02	40-0069	-5714-04	+0-6077	10-0024.	7.360	24.	
ş	4.0000	.29030	71.000	.3530-0:	10-0002	:0-0904.	.1243-02	. 1026-02	.1389-02	, 7620	8.673	550.8	
Ç	4.0000	.22533	72.000	10-0575.	.2250-01	.3040-01	. 9306-03	.7692-03	20-0401.	5740	6.714	547.3	
ņ	7000.4	.25005	73.000	10-0015.	10-05-17	.2350-01	.7191-03	.5948-03	.8030-03	OE 77.	5.216	57 t . B	
ņ	4.0000	.27500	74.000	.2070-01	:0-012:	.23:0-01	.7090-03	.5866-03	.7916-03	G984.	5.439	543.9	
ć,	4.0000	.3000	55.0 0	10-0402	10-0691.	. 2280-01	.6977-03	.5775-03	.7738-03	.4330	5.583	542.6	
ξţ	4.0000	.32500	57.000	.3680-01	30-0-01	.4110-01	. 1258-02	-1040-05	50-5041.	.7780	10.:8	545.5	
ζţ	4.0090	.35000	58.000	3483-01	.2880-01	.3890-01	-11911.	.9847-03	.1330-02	.7360	9.635	545.	
¢.	4.0030	.37500	59.000	. 2080-01	1720-01	.2320-01	.7104-03	.5880-03	.7929-03	0 - 5	5.787	3,42.5	
Ç.	۴.0000	2006 4 1	6C . u 39	. 1519-01	. 1250-01	. 1683-01	.5154-03	.4267-03	.575!-03	0;25.	2 C		
ņ	4.0000	42500	51.900	10-0201	. 8500-02	1140-01	.3504-03	.2902-03	. 3909-03	. 6183	, ao ,	r. 5	

DATE 07	DATE 07 GCT 75		OH-74 (AEDC V418-88A)	V418-88A)	HEATING (HEATING DATA ON ORBITER FUSELAGE PORT	HTER FUSEL	AGE PORT S	S10£			PAGE 63
				0H-74 (AE	04-74 (AEDC V418-88A) BG2C12F10M16W127E52V9R19	V B62C12F	OMIGNIZTES	2V8R19				(RVB001)
3	TRANE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(TO)	HCTAM	2000	01401	11 C
NUMBER				R=0.9	R-1.0	R. TAW	FT2SEC	FT2SEC	FT2SEC	FT2SEC	7.05.0 SEC	
Ŋ	0000	.45000	62.000	.7800-02	.6400-02	.8700-02	.2657-03	.2201-03	.2965-03	.1660	2.152	539.8
. 0	. 0000	47500	63.000	.6000-02	.5000-02	.6700-02	.2050-03	:1698-03	. 2287-03	. 1280	1.632	539.7
3	4,0300	.50000	964.000	50-00 44 .	.3600-02	20-0064	.1502-03	.1245-03	.1676-03	10-0046.	1.164	539.1
3	1,3000	52500	65.000	.4300-02	.3600-02	.4800-02	.1483-03	. 1229-03	.1654-03	10-0026	1.149	539.1
	0000	.55000	56.000	50-0014.	.3400-02	.4600-02	.1405-03	.1164-03	.1567-03	.8800-01	1:031	539.2
י מי	0000	60000	67.000	20-00-2	.2000-02	.2700-02	.8365-04	.6931-04	.9329-04	.5200-01	.5900	538.5
. ·	0000	.65300	69,000	.1500-62	.1300-02	.1700-02	.5200-04	40-60£4.	*5-00BS.	.3300-01	.3820	538.2
, 0	0000	.20000	69.000	.7000-03	.6000-03	.7000-03	.2279-04	1889-04	.2542-04	1400-01	.1590	538.5
i ď	0000	.75000	70.000	.1100-02	.9300-03	. 1200-02	.3600-U4	.2983-04	4015-04	.2300-01	.2520	538.1
י ה י	4.0303	.80000	75.000	.6000-03	.5000-03	.7000-03	₽ 0-6602.	.1739-04	.2341-04	1300-01	.1580	539.1
1 (1	4.0600	.85000	76.000	1000-03	1000-03	1000-03	3371-35	. 2792-05 -	.3760-05	2000-02	2500-01	539.6
י ת	4.0000	.87500	77.000	.8000-03	.7000-03	.9000-03	-5858-04	.2367-04	.3188-04	10-0081	.2340	539.5
ָרָ י	0000	00006	78.020	.1200-02	.1000-02	.1300-02	.3945-04	.3268-04	+0-50+h.	. 2500-01	3190	539.9
קיי	0000	92500	79.000	.6000-03	.5000-03	.7000-03	.2056-04	.1703-04	- 5294 - O4	1300-01	.1590	5.0.5
ιĝ	4.0000	.95000	80.000	.6000-03	.5000-03	.7000-03	-5048-04	.1695-04	.2885-04	.1300-01	. 1500	540.0

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DATE 07 0CT	27 100 1	•	OH-74 (AEDC V418-BBA)	. V418-B8A)		HEATING DATA ON ORBITER FUSELAGE PORT	BITER FUSEI	AGE PORT !	SIDE			PAGE	ž
				0H-74 (AE	04-74 (AEDC V418-80A) BG2C12F10M16W127E52V8R19	A) B62C12F	10M16W127E	52VBR19				(RVB001)	â
ORBITEF	ORBITER FUSE, AGE							PARAM	PARAMETRIC DATA				
					BETA	0000.	МАСН	B .000	ELEVON .	0000.	RUDDER -	0000.	
					••• 1651	***TEST CONDITIONS***	Š						
F.JN	HACH	ALPHA DEG.	PS1A	70 DEG. R	PH 0560.	YAM DEG.	↑ DEG. R	a 4	0 A184	V FT/SEC	RHO SLUGS	HO-SEC	
43	7.980	34.85	418.8	1293.	-179.9	.0000	چ. 10	.4400-01	1.943	3794.	/F13 .3886-04	/FT2 .7579-N7	_
2	RN/L	HREF	STN NO										
NUMBER	×10 6	BTU/ R											
43	2.9.5	3450-01	.2902-01										
					•	***TEST DATA***	:						
2	TRACE	X.	1/C NO	H/HREF	H/HREF	H/HREF	н(910)	H(10)	H(TAM)	1000	OTMOT		
NUMBER				R*0.9	R=1.0	R-TAH	BTU/ R	81U/ R	81U, R	910/	0EG. R	DEG. R	
7.3		00000	0	10 0611	10.0101	יט-טאטי	5014-03	165EC	5505-0 3	7120 7120	יזני ד	54.7	
ሳ እሳ ፓ ታ	1.0000	30000	2.0000	10-0421.	10-0111.	. 1500-01	.4598-03	.3807-03	. 5130-03	.2860	3.041	541.1	
£ 2	1.0000	.32500	3.0000	10-0111.	-0026	. 1240-01	.3794-03	.3142-03	.4233-03	.2360	5.435	540.5	
M !	0000 1	.35003	4.0003	1200-01	10-0001.	1340-01	.4117-03	3410-03	.4593-03	. 2570	2.664	940.4 4.03.4	
ማ M ታ ታ	0000 1	00004	5.0000	10-0591.	10-0521.	. 2390-01	.7327-03	.6065-03	.8177-03	.4560	4.682	541.9	
£ 3	1.0000	42500	7.0000	.1530-01	.1270-01	1710-01	.5229-03	.4328-03	.5836-03	. 3250	3.369	545.4	
£ 3	1.0000	. 45000	B.0300	.2133-01	10-0221	.2380-01	.7303-03	.6045-03	.8151-03	0+S+.	4.642	545.2	
m F	1.0000	.47500	Ф. серо	10-0075.	.2230-01	.30:0-01	.9222-03	.7630-03	. 1930-02	.5710	5.813	0. 4. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	
ካ M	1.0000	. 5,550	000.1.	10-0681.	2350-01	3139-01	.958:-03	. 7927-03	50-026;	59.0	6.014	543.9	
i M	1.9090	.55000	:2.000	.2550-01	.2110-01	.2853-01	.8731-03	.7225-03	.9747-03	.5423	5.436	543.5	
13	1.0000	.60000	13.000	.1850-01	1530-01	.2070-0:	.6341-03	5247-03	. 7079-03	. 3930	3.992	543.6	
t T	0050'1	.65000	14.633	16-6181.	10-0051	.2027-C:	.6202-03	. 5132-03	. 6923-03	.3850	3.899	543.:	
t.	1.0000	.70000	15.000	.7500-02	.6300-02	-0058.	.2590-03	. 2:45-03	. 2891-03	.1619	1.578	54.1.1	
t M	1.0000	.75000	16.000	.1500-02	. 1200-02	50-0041.	.5107-04	40-1824	.5599-04	13-0055.	. 3230	53.6	
ŭ,	0000 :	.80000	17.000	.1800-02	.1500-02	50000-02	40-4119.	40-E113.	*0-8889.	3800-01	3 900	240.5 54.0.4	
M I	2.00.00	. 28500	:8 000 :0	.1550-01	10-0621.	10-05/1	50-4550	60-7 (PP.	50-50-60	0550	5.500 601 ×		
ያሳ የር ተ	2.0000	33700		. 1.380-0.	10-0611.	3070-01	.9397-03	. 3920-03	. 1049-02	.5830	5.43c 5.878	340 348	,
î M	0000.8	າ ເກ ເກ ເກ ເກ ເກ ເກ ເກ ເກ	יים מיים מיים מיים	.6555.	10-0605.	2810-01	. 8524-03	.7137-03	.5626-03	.5350	6.278	543.1	
t.	2.3000	00864		15-0222.	1840-01	.2480-01	.7535-03	.6287-03	.8478-33	0224.	5.260	542.5	

DATE 07	7 OCT 75		OH-74 (AEDC	OH-74 (AEDC V418-88A)		DATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT	AGE PORT	SIDE		
				0H-74 (AEE	C V419-88/	V) B62C12F1	0H-74 (AEDC V4}B-88A) 862C12F10M16W127E52V8R19	32V8R19			
RUN	TRATE	×/r	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R=TAW	H(910) BTU/ R	H(10) BTU/ R	BTU/ R	900T 87U/	0140 066.
£ 3	2.0000	. 53000	23.000	.2050-01	.1700-01	.2290-01	.7022-03	5812-03	. 7839-03	FT25EC	4.859
m	2.0000	.56700	000 .49	10-0821	.1140-01	1540-01	.4717-03	. 3905-03	.5264-03	. 2930	3.193
£	2,5300	.62000	25.000	.9100-02	.7500-02	10-0101.	.3098-03	. 2566-03	.3457-03	. 1930	2.101
£	2.3900	.67000	26.030	.5900-02	50-006n.	.6500-02	.2007-03	. 1663-03	. 2239-03	. 1250	1.363
M F :	2.0000	. 70500	27.000	3700-02	.3100-02	50-0014.	1253-03	7551-04	.1409-03	10-0067.	טונש.
9 M	2.0000	80000	29.000	.1600-02	. 1300-02	. 1800-02	.5398-04	40-8244	.6020-04	3400-01	.3730
m T	2.0000	.82400	30.00	.8000-03	.6000-03	.9000-03	.2661-04	.2204-04	-8962 .	1700-01	. 2320
E 3	3.0000	.2000	31.000	.3150-01	.2500-01	.3520-01	50-7701.	.8896-03	. 1203-02	.6620	7.012
43	3.0000	.22500	32.000	.2650-01	.2190-01	.2960-01	.9058-03	.7491-33	.1012-02	.5600	6.262
E t	3.0000	.25000	33.000	.2080-01	1720-01	.2320-01	.7:18-03	.5892-03	.7946-03	.4420	4.953
M ‡	3.0000	.27500	34.000	.1610-01	.1330-01	1800-01	.5505-03	4559-03	.6143-03	.3430	4.15
M i	3.0030	.30000	35.000	1360-01	1120-01	1510-01	.4643-03	.3846-03	.5180-03	2900	3.592
4 4 5	3.0990	35000	35.000	10-0501	10-040-0	10-0122	60-6401	FO-2568	1163-02	0.00	7.516
, m	3,0000	37500	38.000	.2910-01	.2410-01	.3240-01	.9943-03	.8229-03	. 1110-02	.6170	7.244
43	3.0000	40000	39.000	1820-01	10-0151.	.2030-01	.6237-03	.5164-03	.6959-03	.3880	4.586
t 3	3.0000	.42500	40.000	.2790-01	.2310-01	.3:20-01	. 9554-03	7906-03	-1067-02	.5930	7.024
43	3.0000	.45000	41.002	.2020-01	10-029:	.2250-01	.6906-03	.5718-03	. 1707-03	COE+.	9.6
43	3.0000	JC514.	42.000	.1630-01	10-00+1.	.1890-01	.5776-03	.4783-03	.6446-03	.3590	4.010
M (3.0000	. 50000	43.000	1390-01	. 1150-03	.1550-01	4748-03	.3931-03	5298-03	. 2960	3.298
M 1	3.0000	56500	000	9000-000 9000-000	50-0057	9000-01	. 5080-03	50-0002.	50-1505	2001.	200.
9 M	3.0000	50000	45 000	93-6067.	00-00mm	50-005B.	1824-03	. 1511-03	.2034-03	07:1:	242.
i Mi	3.0000	.65000	47.000	3700-02	3000-05	4100-02	1251-03	.1037-03	. 1395-03	.7800-01	. 8320
£,	3.0000	.70000	48.000	.: 1300-C2	.1000-02	.1400-02	4305-64	. 1568-04	40-00B4	10-0075.	. 2980
43	3.0000	.75000	49.000	.1100-02	.9000-03	.1200-02	.3750-04	.3!16-04	+0-2614	.2400-01	.2570
m ±	3.0000	.80000	50.005	.:300-02	11:50-05	.1500-02	.4578-04	40-4665.	.5106-04	.2900-01	.3080
43	3,0000	.85000	51.000	.6000-03	.5000-03	.7030-03	. 2143-04	.1775-04	4-1952.	1300-01	. 1560
43	3.0000	. 875CS	52.000	-, 202-35	.1000-02	53-0021.	+0-6114	40-804£	40-1654.	.2500-01	.3180
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0 P	0000	מניטאס.	יינים היינים היינים	20-106	43-4001	40.001.	40.55.4	35.55 34.39-04	40-33-24	2600-01	2530
א ח כי	3.9696	מסטנע.	71.003	.3360 01	2780-01	.3762-01	.1150-02	. 0.497-03	1296-02	7050	8.022
i T	\$.0000	. 22500	72.000	.2622-0;	.2170-01	.2930-01	.8974-03	.7418-03	50-2001.	.5531	6.475
£ 3	2000.4	.25000	73.000	.2120-01	.1759-01	.2360-01	.7242-03	. 5991-03	.8087-03	0844	5.253
43	6.0003	.27530	74.000	.2320-01	. 1920-01	.2590-01	E0-146F.	.6574-03	.8873-03	C264.	6.088
£	4.0000	.30000	56.000	.2310-01	10-0161.	.2590-01	.7908-03	.6544-03	. 88 98-C3	0:64.	6.432
M +	4.0000	.32550	57.030	.3090 31	.2550-01	.3440-01	.1054-02	.8719-03	20-2211	.6533	9.554
43	→ 390C	.35000	58.000	.2090-01	.1720-01	.2330-01	.7:23-03	5899-03	. 7956-03	.4430	5.803
43	6000.4	.37500	59.000	10-0161.	1280-01	.2130-01	.6530-93	.5405-03	.7287-03	.4060	5.327
£ 4	₩. 000C	20004.	60.000	.1350-01	1120-01	. 15:9-01	.4631-03	. 3835-03	.5168-03	.2830	3.785
£	. 0000	. ¥250¢	51.003	-8000-05	.6600-02	- 8900-02	.2742-03	. 2272-03	.3050-03	0171.	٠. د د

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PAGE 65 (RVB001)

DATE 07	DATE 07 OCT 75		CH-74 (AEDC V418-BBA) HEATING DATA ON ORBITER FUSELAGE PORT	V418-BBA)	HEAT ING D	ATA ON ORE	II TER FUSEI	AGE PORT S	SIDE			PAGE 6	99
				0H-74 (AEE	0H-74 (AEDC V418-88A) BG2C12F10M16W127E52VGR19) B62C12F1	OM16W127E	52VBR19				(RVB001)	_
25	TRATE	χVΓ	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAM)		DTMDT	7	
NUMBER				R-0.9	R=1.0	R-TAH	8TU/ R	BTU/ R	BTU/ R		DEG. R	DEG. R	
							FTZSEC	FTESEC	FT2SEC) SEC		
F)	۴.0000	. 45000	62'.000	.6300-t2	5200-02	.7000-02	.2148-03	. 1779-03	.2396-03		1.741	539.5	
£,	٠٠.0000	.47500	63.000	.5200-02	.×300-02	.5800-02	.1793-03	.1485-03	. 1999-03		1.429	539.0	
£,	4.000	. 50000	900.49	.3800-02	.3100-02	50-00Zh.	.1297-03	.1074-03	.1448-03		1.006	538.7	
M) J	٠٠. کا	. 52500	65.000	.3600-02	3000-05	.4000-05	.1219-03	.1010-03	.1359-03		.9450	539.0	
43	٠, 0000	.55000	66.000	.3200-02	.2500-02	.3500-02	.1086-03	.9002-04	.1212-03		. 7980	538.7	
₩ ‡	4.0000	.60000	67.000	.1700-02	.1+00-02	. 1900-02	.5741-04	4758-04	.6402-04		.4050	537.9	
£	4.0000	.65000	SE.000	.8000-03	.7000-03	.9000-03	.2724-04	. 2257-04	.3037-04		.2010	537.7	
t 4	4.0000	.70000	000 - 59	.8000-03	.7000-03	.9000-03	.2765-04	.2292-04	.3084-04		. 1930	538.4	
M t	4.0000	.75000	70.000	-1000-05	.8000-03	.1100-02	.3300-04	.2735-04	.3680-04		.2310	537.8	
M	4.0000	.80000	75.000	.7000-03	.6000-03	.8000-03	.2383-04	1975-04	. 2658-04		. 1800	538.9	
£ \$	4.0000	.87500	77.000	.7000-03	.6000-03	.8000-03	.2519-04	.2087-04	.2809-04		.2070	538.8	
t T	4.3000	.90000	78.000	£0-0006.	.8300-03	.1000-02	.3132-04	. 2595-04	3494-04		. 2540	539.3	
¥	4.0000	. 92500	79.000	.5000-03	.4000-03	.5000-03	.1587-04	1315-04	.1771-04	10-0001.	. 1230	539.8	
43	¥.000°	.95000	80.000	.6000-03	.5000-03	.7000-03	.2046-04	.1695-04	.2282-04	1300-01	. 1500	540.0	

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##GF ALP-NA FC TO PHI YAM T P 0 1 1 1 1 1 1 1 1 1	ORB! TEF	R FUSE, AGE							PARAM	ETRIC DATA			
TAMEN ALPHA FG 10 PHI VAH T P P 0 0 V RHO ECG. PSIA DEC. R CCG. DCCG. CCG. CCG. PSIA PSIA FYSEC SLUGS 7.990 39.86 419.4 1292. 179.9 0.000 94.10 1440-01 1.946 3792. 3792. 3784-64 RALL HAFF SIN NO HAMBE HAMBE HUMBE HUMBE FILV R BILV						9£1A		МАСН		ELEVON		RUDDER .	.0000
NACH ALPHA FC 10 PHI YAH T P 0 0 V PHO SIA F1/5C SLUOS						.531•••	T COMDITION	, Ş				•	
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1.956 39.86 419.4 1292. -179.9 1000 94.10 1400-01 1.946 3792. 3894-04 X10 6	NUMBER		DEG.	₩.	DEG. R	OEG.	0EG.		PSIA	₽SIĀ	FT/SEC	SLU65 /FT3	LB-SEC /FT2
### X10 6 BTU R R- X10 6 BTU R R- X10 6 BTU R R- X11 FTSEC . 0.175 1.950 3462-01 .2899-01 TRACE X/L T/C NO H/HBEF H/HBEF H/HBEF H1910) H170) H17AH1 0001 DThOT CO. 30000 2.0000 1.080-01 .1050	3	7.980	39.86	\$ 0 7	1292.	-179.9	0000.	\$.10	.4400-01	1.946	3792.	.3894-04	.7573-07
**************************************	\$	RN/L		STN NO									
1.956 3422-01 2899-01	NUMBER	X10 6		. 5									
TRACE X/L T/C NO H/HREF H/HREF H1910) H170) H174H) 000T DTMDT PRACE X/L T/C NO H/HREF H/HREF H1910) H170) H174H) 000T DTMDT PRACE X/L T/C NO H/HREF H/HREF H1910) H170) H172C T/C C/C T/C T	# #	1.950	3422-01	10-6682.									
TRACE X/L T/C NO H/HREF						•	TEST DATA	:					
Page 1, 0000 Page 1, 0 Page 1, 0 Page 2, 1725C Page 2 Page 2 Page 2 Page 3	2	TRACE	X X	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAH)	000	DTMOT	7
FTSSEC FTSSEC<	N. FIBER			•	R=0.9	R-1.0	R.TAM	BTU/ R	81U/ R	BTU/ R	8fU/	DEG. R	DEG. R
1,0000 33000 1,0000 1,1290-01 1,1430-01 1,437-01 4,199-03 5663-03 3,150 3,264 1,10000 33000 2,0000 1,1290-01 1,1430-01 1,437-01 3,619-03 4,619-03 2,2300 2,3000 1,0000 3,2500 3,0000 1,10000 1								FT2SEC	FT2SEC	FT2SEC	FT2SEC	/SEC	
1,0000 30000 2,0000 1,1990-01 1,1930-01 1,4372-03 3,619-03 2,710 2,882 1,0000 3,7500 3,0000 1,1900-01 1,990-01 3,734-03 3,919-03 3,740 3,919-03 3,740 3,919-03 3,740 3,919-03 3,740 3,919-03 3,740 3,919-03 3,740 3,919-03 3,740 3,919-03 3,740 3,919-03 3,910 3,9	ţ	0000.		1.0000	1480-01	. 1230-01	. 1650-01	.5073-03	£0-6614.	.5663-03	.3150	3.264	5. 5. 5. 5.
1,0000 32500 3.000C 11090-01 1990-01 3734-03 3091-03 4167-03 2220 2.385 1,0000 1,35000 4,000C 17760-01 1960-01 6084-03 4986-03 6723-03 3770 3.895 1,0000 1,0000 1,000C 17760-01 1960-01 6085-03 5078-03 6792-03 3770 3.983 1,0000 1,0000 1,000C 17760-01 1960-01 6085-03 5078-03 6792-03 3770 3.983 1,0000 1,0000 1,000C 1770-01 1960-01 6085-03 5012-03 6792-03 3750 3.983 1,0000 1,0000 1,000C 1960-01 1960-01 1980-01 6085-03 1094-02 6070 6.201 1,0000 1,0000 1,000C 1960-01 1980-01 1980-01 1980-01 1990-02 1094-02 6070 6.201 1,0000 1,0000 1,000C 1960-01 1990-01 1990-01 1993-03 1094-02 6070 6.201 1,0000 1,000C 1900 1900-01 1900-01 1990-01 1993-03 1994-02 6070 6.201 1,0000 1,000C 1900 1900-01 1900-01 1990-01 1993-03 1994-02 6970-03 1990-01 1	ţ	1.0000	30000	2.0000	16-0621	10-0901	.1430-01	.4372-03	.3619-03	.4880-03	.2710	2.882	542.1
1,0000 35000 4,0000 1,790-01 1,950-01 1,950-01 6084-03 5034-03 6792-03 3770 3.953 1,0000 1,9750 5,0000 1,790-01 1,960-01 1,960-01 6084-03 5034-03 6792-03 3770 3.953 1,0000 1,970-0 1,790-01 1,960-01 1,980-01 6084-03 5078-03 3750 3.990 1,0000 1,970-0 1,980-01 1,980-01 1,980-03 1,098-03 3750 3.990 1,0000 1,950-0 1,990-01 1,980-01 1,980-03 1,990-03 1,990-02 6,007 6,007 1,990-01 1,990-02 1,0000 1,990-02 1,990-01 1,990-03 1,990-03 1,990-03 1,990-02 1,0000 1,990-03	ž	1.0900	. 32500	3.0000	100001.	.9000-02	. 1220-01	.3734-03	.3091-03	.4167-03	.2320	2. 585.5 070 F	
1,0000	ţ,	1.0000	.35000	4.0030	:760-0:	1460-01	19-0561	. 6024-03	50-0354.	50-45/0.	37.70	9 C C C C C C C C C C C C C C C C C C C	94.0
1,0000	.	0000.	0000	5.0000	10-0671	10-0451	10-0005	.5135-03	5078-03	6849-03	3800	3.90B	542.8
1,0000	; ;	0000	במצפר -	7,0000	10-02-11	1460-01	1980-01	.6057-03	.5012-03	.6762-03	.3750	3.892	543.1
1,0000 1,47500 1,0000 1,2430-01 1,0000 1,2430-01 1,0000 1,0050 1,	· *	1.0000	.45000	8.0000	.2850-01	.2370-01	.3200-01	.9931-03	.8109-03	.1094-02	5.69.	6.201	543.8
1,0000 1	;	0000.1	30304.	9.0330	.1900-0:	1570-01	12-0215.	.6495-03	5374-03	.7251-03	. 4020	4.095	543.3
1,0000 55500 11,000 2280-01 1890-01 3080-01 3487-03 7807-03 1054-02 5840 5.913 1,0000 55500 12,000 2280-01 1890-01 2070-01 1792-03 5448-03 8699-03 4830 4.846 1,0000 65000 13.000 1860-01 1500-01 2070-01 2371-03 5254-03 7051-03 3930 3.981 1,0000 65000 14.000 19.0	*	1.0000	.5000	10 030	.2430-01	.2010-01	.2720-01	.8323-03	.6887-03	.9292-03	.5160	5.223	543.3
1,0000 13,000 13,000 1860-01 1890-01 2792-03 5448-03 8548-03 35930 3,981 1,0000 15,000 13,000 1860-01 15,000 1,0000 13,000 18,000 18,000 18,000 18,000 18,000 18,000 19,00	<i>‡</i>	1.0009	.52500	11.000	.2769-01	.2280-01	.3080-01	.9437-03	.7897-03	1054-05	.5840	5.913	- 1
1,0000 65000 13,000 19600-01 1940-01 .2070-03 .2542-03 .7543-03 .5553-04 .15500 19.000 .1 .2070-02 .10510 .2071-03 .2542-03 .7543-03 .1910 1.933 .1910 1.933 .1910 1.933 .1910 1.933 .1910 1.933 .1910 1.933 .1910 1.933 .1910 1.9000 .2 .2070-02 .1050-02 .1050-02 .1050-03 .1950-04 .1970-04 .3500-01 .3500-01 .10000 .2 .2000-02 .2000-02 .2000-03 .1910 0.1910 .2 .2000-03 .2000-03 .2000-01 .4990 .2 .2000 .2 .2000-03 .2000-01 .1950-04 .2000-03 .2000 .2 .2000-03 .2000 .2 .2000-03 .2000 .2 .2000-03 .2000 .2 .2000-03 .2000 .2 .2000-03 .2000 .2 .2000-03 .2000 .2 .2000-03 .2000 .2 .2000-03 .2000 .2 .2000-03 .2000 .2 .2000-03 .2000 .2 .2000-03 .2000-03 .2000 .2 .2000-03 .2000-03 .2000 .2 .2000-03 .2000-03 .2000-03 .2000 .2 .2000-03 .2000	5	1.0000	. 55000	12.530	.2280-01	. 1830-0:	.2540-01	. 792-03	50-8-45	50-6558.	3584.	0+B. *	יי ה ה ה ה ה
1,0000 1,0000 1,00	<i>‡</i>	1.0000	. 6 0000	13.000	16-0981.	10-03-01	10-0702.	50-1550.	201400	50-1501.	0:6:	1.933	545.0
1,0000 175999 15,000 13099-02 2000-02 3300-02 1011-03 8859-04 1128-03 5530-01 5530-01 10000 175999 15,000 1200-02 2000-02 3300-02 1000-04 5708-04 19299 17,000 24,000-02 2000-01 1589-01 5554-03 4265-03 5773-03 3290 3.753 2,0000 33790 19,000 1360-01 1589-01 6739-01 5558-03 5773-03 7497-03 4180 4.923 2,0000 39900 39900 39000 2,0000 3990-01 15890-01 1117-02 9241-03 1248-02 59910 8.093	* :	0000.	ממטכם.	000.44	50-0005.	50-0-0	40-001.	5.567-04	40-76:4	.5653-04	3200-01	.3090	540.0
1,0000 10000 17,000 2,000-02 2000-02 3000-04 5708-04 9039-04 5000-01 4990 1,0000 2,0000 17,000 2,000-01 1,0000 2,0	; ;	0000.1	75000	000.00	30 505: ·	50-00-2.	3330-05	:011-03	.8369-04	.1128-03	.6300-01	.5380	540.2
2,0000 28500 18,000 1510-01 1250-01 5154-03 4265-03 5753-03 3753 3.753 2.0000 3.753 2.0000 3.753 2.0000 3.753 2.0000 3.750 3.750 19,000 1950-01 5200-01 6710-01 6710-01 5750-03 5550-03 7497-03 7497-03 7497-03 7490 4.929 2.0000 3.9000 2.0000 3.750-01 3650-01 3650-01 5700-01 3650-	; ;	0000.1	00000	17.000	2400-05	-2000-05	.2603-72	.9100-04	.5708-04	40-6£06	.5000-01	C684.	540.6
2,0000 33700 19,000 1950-01 1520-01 6719-01 6716-03 5558-03 7497-03 4.913 2,0000 39000 20,000 19,000 1,000-01 1620-01 6739-01	;	2.0000	. 28500	18.000	.1516-01	.1250-01	10-0891.	.5;54-03	.4265-03	5753-03	.3200	3.753	542.4
2.0000 . 39000 . 20.000 . 3650-01 . 3650-01 . 3650-01 . 3650-03 . 3653-03 . 4:80 4.929	; ;	2.0000	33730	19.000	1950-01	1520-01	.2193-0!	.67:6-03	.5558-03	.7497-03	07.13.	4.9:3	542.6
8.093 - 5.050 - 5.050 - 5.050 - 5.050 - 6.093 - 6.093 - 6.093 - 6.093 - 6.093 - 6.093 - 6.093 - 6.093	; ;	2.0000	339000	20.303	10-0761.	.1639-01	.2200-01	.6739-03	.5577-03	. 7523-03	08:5.	626.	545
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OH-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19

PAGE 68 (RVB001)

3	TRACE	x/L	1/C NO	H/HREF	H/HREF	H/HBEF	н(910)	H(T0)	HCTAH	1000	DIMDI	3
NUMBER				R=0.9	R=1.0	R-TAH	BTU/ R	81U/ R	8TU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FTZSEC	FT2SEC	FT2SEC	/SEC	
<i>‡</i>	2.0000	.53000	£3.000	10-06/1.	.1480-01	.2000-01	.6124-03	.5068-03	.6837-03	.3800	4.232	542.8
*	2.0000	.56700	₹.000	.1150-01	.9600-02	. 1300-01	.3978-03	. 3293-03	.4439-03	.2470	€.689	541.6
;	2.r 300	.62000	25.000	.6703-02	. 5500-02	.7500-02	. 2287-03	. 1894-03	.2552-03	0241.	1.549	540.6
‡ ‡	2 3000	.67000	26.000	-S00-05	.2100-02	. 2800-02	+0-68+8 .	.7030-04	·0-17-0.	5300-01	.5760	539.9
ţ	e. 0000	. 70500	€7.000	. 1800-02	. 1500-02	. 2000-0£	.6282-04	- 50 GE	.7008-04	3900-01	0 68 4.	539.0
;	£.0000	. 75000	28.000	.2700-02	. 2300-02	. 3000-02	.9318-04	.7719-0 *	.1039-03	.5800-01	00.0	538.8
ž	2.0000	3000 8	29.000	-5300-05	. 1900-02	.2600-02	.7916-04	.6557-04	.0831-04	.4900-01	.5480	539.3
3	2.000c	.82+00	30.000	.9000-03	.7000-03	. 1009-02	.3060-04	.2534-04	3414-04	10-0061.	.2660	539.9
ž	3.0000	. 20000	31.000	.3250-01	.2690-01	.3640-01	.1113-02	.9198-03	1244-02	.6830	7.229	549.2
*	3.0000	. 22500	32.000	.2630-01	.2170-01	.2940-01	.8996-03	.7436-03	. 1005-02	.5540	6.196	546.7
;	3.0000	. 25000	33.000	.2010-01	10-0991	.2240-01	.6871-03	.5684-03	.7672-03	. 4250	4.759	544.1
;	3.0000	.27500	34.000	.1530-01	.1270-01	.1710-01	. 5252-03	.4347-03	.5863-03	. 3260	3.904	542.6
ţ	3.0000	.30000	35.000	.1610-01	1330-01	11790-01	.5502-03	.4555-03	.6141-03	.3420	4.236	541.5
ţ Ł	3.0000	. 32500	36.000	.2730-01	.2250-01	. 3050-01	.9349-03	.7735-03	.1044-02	.5790	6.794	543.3
<i>3</i>	3.0000	.35000	37,000	. 2800-01	.23:0-01	.3120-01	.9572-03	.7919-03	. 1069-02	.5930	€.879	543.5
ţ	3.0000	.37500	39.000	.2110-01	10-0421	.2350-01	.7212-03	. 5969-03	.8050-03	.4470	5.249	542.5
*	3.0000	00004.	39.000	.2530-01	.2090-01	.2820-01	.865!-03	.7159-03	.9657-03	.5360	6.325	542.9
7	3.0000	30524.	40.000	.2470-01	.2040-01	.2760-91	.8446-03	.6988-03	.9429-03	.5230	6.200	543.5
<i>‡</i>	3.0000	. 45000	41.000	10-0461	.1610-01	.2160-01	.6638-03	.5494-03	.7409-03	.4120	4.712	542.0
ş	3.0000	C05/4.	42.000	. 1630-01	.1350-01	. 1820-01	.5583-03	.4621-03	.6231-03	.3470	3.865	542.0
ţ ţ		.53000	43.000	.1110-01	. 9200-02	10-0%	. 3802-03	.3147-03	.4242-03	.2360	2.636	541.1
*	3 0000	. 52500	£+.300	50-0024.	.6000-02	-8100-05	.2480-03	.2053-03	.2767-03	. 1540	1.813	540.3
∓	3 0000	. 55000	4'j. 000	.6500-02	.5300-02	.7200-02	.2210-03	.1830-03	.2466-03	.1380	1.537	539.9
;	3.0000	.60000	4.5.000	-4-00-4·	.3500-02	4700-02	1451-03	. 1202-03	. 1619-03	.9000-01	. 9860	539.4
5	3.0000	.6500	47.909	. 1609-02	.1300-02	.1830-02	.5450-04	.4216-04	+0-6409.	.3400-01	. 3620	538.2
3	3.0000	00001	€9.000	.1830-02	. 1500-02	.20000-CZ	.6071-04	.5031-04	.6772-0	.3600-01	.4190	538.2
t t	3.0000	.75003	49.000	24-00-05	-2000-05	.2700-02	.8268-04	.6851-04	.9223-04	.5200-01	.5630	538.4
?	3.0000	.80030	53.000	.2300-02	. 1900-02	.2600-02	. 7848-04	.6501-0′	.8754-04	10-0064	. 5260	538.8
ţ	3.0000	.85000	51.000	.1100-02	.9000-03	. 1209-02	. 3622-04	.3000-04	40 - 2404.	.2300-01	. 2800	540.5
<i>T</i>	3.0000	.87509	52.030	.1500-02	. 1200-02	. 1600-02	·40-£96+	+0-0114	. 5538-04	.2100-01	.3830	540.7
7	3.0000	00006.	53.000	S100-05	.1700-02	.2300-02	.7078-04	.5860-04	.7899-0 ⁴	10-0044	.6130	541.3
ţ ţ	3.0000	. 92550	5*.000	- 4000 A	.3300-02	20-00**.	1354-03	.112:-03	. 1511-03	10-00-81	1.:04	3.1.4
ţ	3.0000	. 95330	55.230	5400-05	-4500-02	- 20 -0019	. 1865-03	. 1544-03	. 2081 -03	. 1160	1.175	541.3
y	4.0000	.20000	71,000	.3300-0:	.2720-0:	.3690-ui	1128-02	.9314-03	. 1262-02	.6850	7.839	552.2
*	\$,0000	. 22500	7.2.000	.2593-01	.2140-01	.2890-01	.8854-03	.7315-03	. 9994-03	5440	6.364	548.4
*	4.0033	.25003	73.000	.2330-01	10-0261	.2600-01	.7973-03	.6591-03	.8907-03	0164	5.753	546.6
3	۴.0003	.27500	7*.000	.26:0-0:	.2160-01	.2910-01	.8922-03	.7376-03	. 9966-03	.5500	6.799	546.3
<i>‡</i>	6000.4	.30000	56.300	.2820-01	.2330-01	.3140-01	.9535-03	.7957-03	.1076-02	.5950	7.789	545.5
†	4.0000	. 32500	57.000	.2490-01	.2060-0;	.2780-01	8528-03	.7053-03	.9523-03	.5270	6.905	5.4.5
<i>3</i>	۴.0000	.35000	58.000	.2100-01	.1730-01	.2340-01	7174-03	.5935-03	.80:0-03	0111	5.82;	543.7
3	4.0000	.37500	59.000	10-0661.	. 1650-01	. 2220-01	.6812-03	5638-03	.7605-03	.4220	5.538	542.8
3	# .ecoa	00004.		10-0111	. 9200-02	. 12-0-01	3797 -03	3144-03	.4237-03	. 2360	3.097	541.2
3	¥.003g	.42550	600 19	S0-00£4.	.6100-02	. 8200-02	2509-03	.2078-03	.2800-03	.1550	2.050	540.5

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DATE 07	DATE 07 007 75		OH-74 (AEDC	V418-88A)		HEATING DATA ON ORBITER FUSELAGE PORT	ITER FUSEL	AGE PORT S	SIDE			PAGE 69	m
				0H-74 (AE	OC V418-B84	DH-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	OM16W127ES	2V8R19				(RVB001)	_
ž	TRACE	X/F	1/C NO	HYHREF	H/HREF	H/HREF	н(910)	нс 10)	HCTAW	1000	DTWDT	7	
A TOTAL	1	l		R.0.9	R-1.0	R-TAW	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R	
							FT2SEC	FTZSEC	FT2SEC	FT2SEC	/SEC		
3	0000	.45000	62.000	.5500-02	.4600-02	-6100-02	. 1883-03	1559-03	.2100-03	0711.	1.522	539.9	
; ;	0000	. 47500	63.000	50-05h.	.3700-02	.5000-02	.1543-03	. 1278-03	. 1721-03	.9600-01	1.227	539.4	
;	4. (300	.50000	64.000	.3500-02	.2900-02	. 3900-02	.1194-03	.9891-04	.1332-03	.7403-01	.9240	539.3	
: 3	0001.	52500	65.000	5900-05	.2400-02	.3300-02	-9466	.8264-04	.1113-03	.6200-01	. 7720	539.1	
; ;	, 0000	.55000	66.000	5400-05	.2000-02	50-0075.	.8378-04	.69*1-04	ナローのナだが、	.5200-01	.6150	538.7	
: ; ;	1	69000	67.000	.8000-03	.7000-03	.9000-03	.2830-04	.2345-04	.3156-04	10-0081	.2000	537.9	
: 1	0000	65000	68.000	.1000-02	.8000-03	.1100-02	.3366-04	.2789-04	.3754-04	.2100-01	0242°	538.3	
: 3	2000	70000	69,000	1500-02	.1300-02	.1700-02	.5303-04	+0-+62+	.5915-04	.3300-01	.3700	538.8	
: 3	0000	75000	70.000	S100-05.	50-0011	-2300-05	.7134-04	4C-6065.	.7956-04	.4500-01	0764.	538.8	
1	0000	BOODE	75.000	50-051.	-1000-05	20-00-1.	40-6414	.3437-04	+0-629+	.2600-01	.3120	539.4	
; ;	0000	B7500	77.000	1100-02	.9000-03	. 1200-02	.3620-04	-5888 .	+0-620+	.2300-01	.2970	539.3	
: :	2000	DOUDE	78.000	5100-02	. 1800-02	.2400-02	.7336-04	.6075-04	.8185-04	10-0094	.5930	540.3	
, 1	0000	92500	79.009	3:00-02	.2600-02	.3400-02	.1057-03	.8755-04	.1180-03	.6500-01	.8150	540.8	
;	4.0000	.95000	80.000	.6000-03	.5000-03	.7000-03	-50-9+02	.1695-04	.2282-04	10-0021.	, 1500	540.0	

					OH-74 (AE	DC V418-BB	OH-74 (AEDC V418-88A) BG2C12F10M16W127E52VBR19	10M16W127E	:52VBR19				(RVB001)
NACH ALPIA PO NO PH NACH PG	ORBI TER	7 FUSEL AGE							PARAM	ETRIC DATA	_		
7.980 43.87 418.9 1290. 179.8 748.9 13.90 4400-01 1.944 779E. \$1005 83.90 43.87 775E. \$1005 83.90 43.87 775E. \$1005 83.90 74.00-01 1.944 779E. \$1005 83.00-01 1.0000 74.00-01 1.8000						BE*A	•	MACH		ELEVON		RUODER .	. 0000
March Marc						531 · · ·	1 COND1710	S					
1.953 43.67 418.9 1290 -179.9 0.000 93.90 .w00-01 1.9w4 3789 .3896-0w	NUMBER	MACH	ALPHA DEG.	P P0	70 DEG. R	4 550	YAW	ر ارد ارد	و ع	0 8	> .	0449	⊋ .
1.990 43.87										;	}	/FT3	/FT2
FRV1	r.	7.980	43.87	418.9	1290.	-179.9	.0000	93.90	10-0044	1.944	3789.	.3896-04	.7561-07
1.953 3A20-01 .2899-01 .2	RUN M PROFIN	RN/L	HREF BTL/ P	STN NO									
1.953 3N20-01 .2899-01 .2		/FT	F125EC	27.10.									
TRACE X/L T/C NO H/HREF H/HREF H(910) H(101) H(1744) ODOT DTG. R DCG. R	î.	1.953	. 3420-01	.2898-01									
TAACE X/L T/C NO N/HREF H/HREF H/9101 H/1701						:	TEST DATA	•					
Name	\$	TRACE	×/L	T/C NO	HIMBEF	H/HREF	H/HREF	H(910)	H(10)	H(TAH)	1000	DIMOT	7
1,0000 1,0000 1,0000 1,460-01 1,110-01 1,140-01 4932-03 4131-03 5573-03 3,206 5,206 1,0000 2,2000 2,2000 1,200-01 1,140-01 4922-03 3,605-03 3,505-03 3,206 2,910 2,0000 1,220-01 1,140-01 4,529-03 3,4131-03 3,5573-03 3,993 3,206 2,910 1,0000 1,220-01 1,140-01 4,529-03 3,749-03 3,560-03 3,991 2,910 2,910 2,910 1,0000 3,2000 1,120-01 1,100-01 1,140-01 4,529-03 3,749-03 3,993-03 3,991 2,910 2,9	NUMBER				R=0.9	R=1.0	R-TAW	81U/ R	BTU/ R	BTU/ R	910/	DEG. R	DEG. R
1.0000								FT2SEC	FT2SEC	FTZSEC	FT2SEC	7.SEC	
1.0000 30000 2.0000 1.290-01 1.070-01 1442-03 3660-03 3695-03 2810 2.886 1.0000 32500 3.0000 1.220-01 1.100-01 1.462-03 3749-03 3695-03 2810 2.886 1.0000 32500 3.0000 1.220-01 1.100-01 1.462-03 3749-03 3695-03 3695 3.886 1.0000 33750 5.0000 1.750-01 1.1460-01 1.950-01 7.042-03 3695-03 3690 3.739 1.0000 32750 5.0000 1.750-01 1.420-01 1.950-01 7.922-03 7.981-03 3690 3.739 3.890 3.739 1.0000 4.5500 7.5000 2.290-01 1.950-01 1.950-01 1.950-03 3695-03 3690 3.739 3.739 1.0000 4.5500 7.5000 2.290-01 1.950-01 1.950-01 1.950-03 3.940-03 3.940-03 3.940 3.739 1.0000 4.5500 7.5000 2.290-01 1.950-01 1.950-01 1.950-03 1.0000 2.290-01 1.950-01 1.950-01 1.950-03 1.0000 2.2900 1.0000 2.290-01 1.950-01 2.250-03 3.940-03 3.940 5.014 3.250 1.0000 2.2900 1.200-01 2.290-01 2.290-03 3.920	ម្នា	1.0000	.27500	1.0000	.1460-01	1210-01	.1630-01	.4992-03	.4131-03	.5572-03	.3090	3.206	541.8
1,0000 32500 3,000 1,120-01 1,100-01 1,959-03 3,799-03 5,505-03 4,500 1,525 1,0000 1,525 1,0000 1,525 1,0000 1,0000 1,525 1,00000 1,525 1,00000 1,525 1,00000 1,525	t.	1.0000	30000	P. 0000	. 1290-01	10-0/01.	1440-01	+422-03	.3660-03	.4935-03	04CS.	2.910	₹. ₹
1.0000	ψ.	1.0000	. 32500	3.0000	.1320-01	1100-01	.1480-01	.4529-03	.3749-03	.5055-03	.2810	2.886	Ω¥1.1
10000 100000 100000 100000 100000 100000 100000 100000 1000000 1000000 1000000 100000000	ត្ត ម	1.0000	. 35000	4.0000	.2050-01	1700-01	.2300-01	.7042-03	.5828-03	.7861-03	.4360	4.525	541.6
19000 1900	r y	0000	. 3 /509	5.0000	1750-01	10-05+1	. 1950-01	.5975-03	.4943-03	.6670-03	. 3590	3.885	542.6
10000 100000 100000 100000 100000 100000 100000 100000 10000	n u	0000-1	20024	9.0000	17-09-01	10-0241.	13-0261	.5876-03	.4863-03	. 5560-03	. 3640	3.739	54. 1.3
10000 100000 100000 100000 100000 100000 100000 100000 100000 100000 1000000 100000 100000	n kr	0000	30041	0000.7	2:-01-01 3:-60-01	10-0591	10-0555	. 7824-03	.6473-03	.8736-03	0+8+.	5.034	0, ç, c
0.000	i in	00001	47500	2020 6	2030-01	15-040-01	10-05/3	50401-03	50-7050.	2405-03	0120.	5.365 375	7.040
10000 1 5500 1 10000 1	t,	1.0000	.5000.	10.000	.2820-01	.2340-01	3150-01	9654-03	7986-03	60-8601	. 400.	2 2	ייי איני איני
10.0000 55000 15.000 15	t, S	1.0000	.52500	11.000	10-0175.	.2240-01	.3020-01	. 9257-03	.7658-03	- 1034-02	.5720	5.793	0. m. n.
10.0000 G	ž.	1.0000	. 55000	12.000	10-0115.	1759-01	.2363-01	.7223-03	.5977-03	.8063-03	C + 44.	5	545.0
10.0000 1	r D	1.0000	.60000	13.500	:390-01	1150-01	.1550-01	.4739-03	. 3922-03	.5290-03	.2930	7.974	542.0
1.0000 .70009 .5000 .5000 .5000 .600	č,	1.0000	.65909	14.533	20-0004.	.3300-02	50-C044.	.1354-03	.1121-03	.1512-03	10-0048	.8530	540.5
3.0000 . 30000 . 30000 . 3100 . 31000 . 310000 . 310000 . 310000 . 31000 . 3100 . 3100 . 3100 . 3100 . 3100 . 3100 . 3100 . 3100 . 3100 . 3100 . 31000 . 3100000 . 3100000 . 31000000 . 310000000000	ð,	1.0000	.70039	15.000	50-006	.2300-02	3100-02	.9395-04	.778C-C4	.1048-03	.5800-0:	.5720	539.6
1,0000 .0000 .0000 .17,000 .12,000-02 .1900-02 .2500-02 .7652-04 .6335-04 .0553-0 .17,000 .10,00000 .10,0000 .10,0000 .10,0000 .10,0000 .10,0000 .10,0000 .10,00000 .10,0000 .10,0000 .10,0000 .10,0000 .10,0000 .10,0000 .10,00000 .10,0000 .10,0000 .10,0000 .10,0000 .10,0000 .10,0000 .10,00000 .10,0000 .10,0000 .10,0000 .10,0000 .10,0000 .10,0000 .10,00000 .10,0000 .10,0000 .10,0000 .10,0000 .10,0000 .10,0000 .10,00000 .10,0000 .10,0000 .10,0000 .10,0000 .10,0000 .10,0000 .10,00000 .10,0000 .10,0000 .10,0000 .10,0000 .10,0000 .10,0000 .10,00000 .10,	ů,	0000	.75000	16.300	.5200-02	-0384.	.5800-02	.1789-03	.1495-03	.1995-03	0111	1.126	540.1
2.0000 .2850 .8.000 .1530-01 .1270-01 .1710-01 .5242-03 .4339-03 .5971-03 .3250 3.815 2.0000 .33700 19.000 .2.570-01 .2130-01 .2870-01 .8803-03 .7284-03 .9828-03 .5440 6.423 2.0000 .39000 .20.000 .2240-01 .1850-01 .2500-01 .7648-03 .6330-03 .8537-03 .7400 5.591 2.0000 .4-2600 .21.000 .3150-01 .010-01 .3520-01 .0000 .2000 .	ů	00001	. 80000	17.090	-55-00-25	. 1900-02	. 2503-02	.7652-04	.6335-04	.8539-04	.4733-01	.4610	540.2
2.0000 .33700 19.000 .25/0-01 .2130-01 .2870-01 .8803-03 .7284-03 .9828-03 .5440 6.423 .50000 .39000 20.000 .224-01 .1850-01 .2500-01 .7648-03 .6330-03 .8537-03 .440 5.591 .20000 .39000 .21.000 .3150-01 .1850-01 .3520-01 .0000 .39000 .21.000 .3150-01 .2100-01 .3520-01 .0000 .20000 .21.000 .3150-01 .2100-01 .3520-01 .00000 .20000 .21.0000 .3150-01 .2010-01 .3520-01 .00000 .20000 .21.0000 .3150-01 .3520-01 .3520-01 .00000 .20000 .3150-01 .3150-01 .3520-01 .3520-01 .3520-01 .30000 .30000 .30000 .30000 .300000 .300000 .300000 .300000 .300000 .300000 .300000 .300000 .3000000 .300000 .300000 .300000 .300000 .300000 .300000 .300000 .30000000 .300000 .300000 .300000 .300000 .300000000	ů	2.0000	.28503	18,000	1530-01	.1270-01	.1710-01	.5242-03	.4339-03	.595!-33	. 3250	3.8:5	ເກ
2 0000 39000 20.000 .2-40-01 .1850-01 .2500-01 .7648-03 .6330-03 .8537-03 .4-0 5.591 .2.0000 .	Į.	2.0000	.33709	19.000	.25 /0-01	.2130-01	.2870-01	.8803-03	.7284-03	.9828-03	5440	6.423	542.5
2.0000 .42630 21.039 .3150-91 .2610-01 .3520-01 .1079-02 .8921-03 .1205-02 .6650 7.801	ئ ا	2 0000	39000	20.02	10-0422	. 1850-01	. 2500-01	.7648-03	.6330-03	.8537-93	0464.	5.591	541.6
	ψ.	2.0000	. 42630	21.030	.3:50-0:	.2610-01	.3520-01	50-6701.	.8921-03	1205-02	5553	7.801	פרוחש

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DATE	3CT 735		OH-74 (AED)	OH-74 (AEDC V418-88A)	HEATING D	HEATING DATA ON ORBITER FUSELAGE PORT	IITER FUSEL	AGE PORT S	SIDE			PAGE 71
				OH-74 (AE	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	n 862C12F1	OM16W127E	52VBR19				(RVB001)
2	TRALE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(9T0)	H(T0)	HCTAM	1000	DTMOT	¥
NUMBER				8*0.9	R-1.0	R-TAW	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
r Y	2.0000	53000	23,000	1319-01	10-0801	1460-01	.4465-03	.3695-03	.4984-03	.2770	3.086	*. I *.
i v	2.0000	.56700	700.70	50-0061	.7300-02	-0066	.3028-03	.2507-03	.3378-03	. 1880	€.048	539.9
T.	2.1 300	.62000	25.000	50-00€	.3500-02	-4B00-05	. 1462-03	.1210-03	.1631-03	10-0016.	0066.	539.2
ů	2.J000	.67000	26.000	30-0041.	. 1200-02	.1500-02	.4932-04	+0-780+.	.5501-04	.3100-01	.3350	537.4
\$;	0000€	.70500	27.000	.2933-02	.2400-02	3200-05	+0-8 266.	.8267-04	.1113-03	.6200-01	.6720	537.6
ů,	€.0000	.75000	26.036	. 3800-02	.3200-02	.4300-02	.1307-03	.1082-03	.1458-03	.8100-01	υ 9 68.	538.2
t,	€.0000	.80050	29.000	.2700-02	. 2200-02	3000-05	.9285-04	+0-0694	.1036-03	.5800-01	.6390	538.8
ių,	€.0000	.82400	30.00	-1000-0 5	.8050-03	.1100-02	.3358-04	.2781-04	3747-04	.2100-01	.2910	539.5
i,	3.0000	.20000	31.000	.3210-01	.2650-0!	.3590-01	-1097-02	.9059-03	. 1225-02	.6710	7.106	548.8
č,	3.000	.22500	32.000	.2600-0:	. 2:50-01	.2910-01	.8900-03	.7357-03	.9943-03	.5470	6.121	546.0
a. C	3.0030	25038	33.000	.2063-0	17:3-01	.2305-01	.7053-03	50-558c.	50-5/8/	5054.	188	
ů.	3.0000	.27500	34,350	.1620-0:	340-01	10-0081.	55-7-555.	50-5754	50-6919.	. 3430	4.110	
ւր (3° :	3.0000	30000	35.020	10-0161.	10-0601.	10-0-10-	50-9450.	50-1340	60-880.	6030	, 60 c	יים היים היים
ր <u>։</u>	3.0000 3.0000	00000.	23 000	.0-016	יייים משפים.	13-0216.	50-04/6.	50-5159	20-6626	5170	5.0.5	3. J. S
n u	3.000	30000	200.75 000.85	יט-טכאל	2000-01	10-002	8259-03	.6836-03	.9-19-03	5120	600.9	541.3
n u	3.5056	00001	000 BE	. 2550-03	2110-01	.2850-01	.8718-03	.7216-03	.9731-53	5400	6.378	541.2
, c	3000 K		40.00g	10-0122	1830-01	10-0352	7549-03	.6248-03	.8426-03	.4680	5.550	7.179
, ič	3.0000	20064.	4:.000	1873-01	10-045:	.2383-01	.6380-03	.5283-03	.7120-03	.3950	4.533	540.3
t t	3 0000	20574.	42 000	1390-01	.1150-01	.1550-01	.4747-03	. 3931-03	.5297-03	.2953	3.290	5+0.C
÷	3.0000	.50003	43.000	-0126 .	50-0077.	10-0401.	.3186-03	.2638-03	.3554-03	1980	2.213	539.0
č,	3.0000	.52500	600,44	.6200 -02	5100-05	.6900-02	.2103-03	.1742-03	.2346-03	.1310	1.539	538.5
45	3.0000	.55003	45.000	-5000-05	50-0054.	.5500-02	.1718-03	.1423-03	. 1917-03	.1070	96: .:	538.2
t.	3.5000	.62050	46.600	50-00-51	-5005	50-0075.	+0-60+8	.59 5 7-04	.9380-04	.5200-01	.5710	537.7
ŗ,	3.0000	.6500	47.000	1,1600-02	SC-00£1.	1800-05	.5563-04	+0-019+	.6205-04	. 5555-01	.3690	537.3
in T	3.0000	נכסטר.	48.000	. 2200-02	1800-05	.2500-02	-10-619L	.6313-04	·8-86-0.	10-0094.	.5260	537.4
î,	3.0000	.75000	49.000	3000-05	50-0058	3400-05	.1037-03	.9588-04	.::56-03	.6500-01	0 1 2 1 .	537.7
i,	3 0000	cessa.	50.000	1900-05	1639-02	.2:00-02	<u> 10-1939</u>	.5438-04	.7322-04	:0-0014	. 4390	538.0
Ę,	3.0000	.8500G	51.000	1100-05	£0-0006.	.:200-52	.3533-04	.3008-04	+0-+S0+.	.2300-01	.2900	540.0
£.	•	.87509	52 900	. 1933-02	.1535-02	50003-25	.6121-04	.5067-04	.6832-04	:C-CCB2:	21/4.	מיליני
ហ វ		. 90000	53.000 0.000	. 2933-02	.2300-02	30-00.E.	.9577-04	1926-04	1059-03	10-0264.	: ' - '	טין - זין ניין דין
t,	3.0000	92500	54.333	26-50-5	3100-05	20-00V#	יי ממניי	. 1951-03	001:01:	1011087		
r.	3.000.	. 95000	55.000 (1000)	50-0554.	50-0545.	5000-02	1529-03	.,256-0.1	1707-63	10-1365	. 9555 503 F	D . 1 + C
in in	3000 +	20000	100.	3830-03	3-3,500	:0-58cg.	20-050	. 905/-03	. 1260-Cn	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	un 0	5.100
45	0000	22555	72,300	 בינת בינת	2302	.3:20-6:	. 95 38 - 03	.7880-03	.1055-32	י משנו . מיני ו) ; D (. a
ις	0000	.25053.		-5992-	.2:20-01	10-0987	.8759-03	56-7-57.	.9795-03	.5330	6.3:4	ກຸກຸກ
t,	4 .0000	27575		5575-5	22:0-0:	.2390-0:	6140-03	.7555-03	- 105: - 108:	130 100 100 100 100 100 100 100 100 100	0.475 1000 1000	מינים מינים מינים
ů	F. 8330	30000	56 000	.5-5\$e2	23, 0-61	19-0818.	.9749-03	.8059-03	20-86 G1	. 1 5000	1, e553	545 3
in T	3630.4	32500		10 100 100 100 100 100 100 100 100 100	10-0651.	10-0892	.92!!-03	.6792-03	.9159-03	5070		5+3 5
5	₹.000€	1000	58 303	2270-01	13-6781.	.5230-0.	.7746-03	.6403-03	.8548-33	C65.	ون د د د د د د د د د د د د د د د د د د د	5+2.8
τ 5	0000 🖈	33875.	0.063	10-05-11	10-05-1	16-0561	.5000-03	£0-7384.	6597-33	3,7	4.883	٠٠. د : عود
÷	0000	16302	\$0.00g	8-00-6	9100-05	10-0801	.3325-03	.2753-33	3710-03	£05.	ָי. י. ָּי	ଅନ୍ତି ।
t,	0000 ¥	1000	0 11 12	6600-02	500c-05	.7407-02	.2255-03	1668-03	.2515-03	55		539.0

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATE 0'	DATE 07 OCT 75		OH-74 (AEDC	0H-74 (AEDC V418-88A)		HEATING DATA ON GRBITER FUSELAGE PORT	BITER FUSEL	AGE PORT !	SIDE			PAGE 72
				0H-74 (AE	C V119-88	04-74 (AEDC V418-88A) BGZC12F10M'GW127E52VBR19	10M' 6W127E!	52VBR19				(RVB001)
25	TRACE	χνr	1/C NO	H/HREF	H/HREF	H/HREF	н(910)	н(10)	HITAY	1000	DTMOT	¥
NUMBER				R=0.9	 	R=TAW	BTU/ R FT2SEC	BTU/ R FT2SEC	BTU/ R FT2SEC	BTU/ FT2SEC	DEG. R /SEC	7FG. R
ą.	4.0000	.45000	62.000	-4800-05	-4000	.5300-02	.1634-03	.1353-03	.1823-03	. 1020	1.321	538.4
ţ	4.0000	.47500	63.000	.3700-02	.3100-02	S0-0014.	. 1268-03	.1050-03	.1415-03	.7990-0!	1.008	538.5
ξ.	4.1300	.50000	64.000	.2700-02	. 2200-02	.3000-02	49-1S16.	.7581-04	1021-03	.5700-01	. 7080	537.8
ů	4.3000	. 52500	65.000	. 1700-02	-11400-05	- 1900-02	.5870-04	.4863-04	.6548-04	3766-01	0481	538.0
ŝ	4.0000	.55000	66.000	.9000-03	.8000-03	.1100-02	.3235-04	.2680-04	.3608-54	.2000-01	.2370	537.5
Ţ.	4.0000	.60000	67.000	.6000-03	.5000-03	.7000-03	.4113-04	.1751-04	.2357-04	10-5021.	0641.	537.1
t,	4.0000	.65000	68.000	. 1300-02	.1100-02	.1500-02	.4525-04	3750-04	.5048704	.2800-01	.3320	537.6
č,	4.0000	00000.	69.000	St -007!.	20-00+1	. 1 900-02	.5916-04	40-1064°	.6600-04	.3700-01	0114.	538.6
£.	4.0000	.7500	70.000	.2500-02	-2100-02	. 2800-02	.8717-04	.7221-04	.9724-04	.5400-01	.6060	538.3
t,	4.0000	.80000	75.000	.1100-02	.5300-03	. 1200-02	.3696-04	.3061-04	+0-+21+	.2300-01	.2770	539.4
t,	4.0000	.85000	76.000	. 1800-02	.1500-02	. 2000-02	.6134-04	.5081-0+	.6843-04	.3800-01	C 454	538.3
t,	4.0000	.87500	77.000	. 1 200-02	.1000-02	. 1300-02	+0-950+	.3359-04	.4526-04	.2500-01	.3310	539.6
ž.	۴.0000	00006	78.000	50-0075.	.2200-02	. 3090-02	.9132-04	.7553-6.	.1019-03	.5700-01	.7350	540.8
τĴ	4.0000	.92500	79.900	.5800-02	.4800-02	.6500-02	.1995-03	.1651-03	. 2226-03	. 1240	1.532	541 2
t,	4.0000	.95000	80.000	.5600-02	.4600-02	.6300-02	. 1920-03	.1589-03	.2144-03	.1190	1 395	545.2

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NAMER NAME													
HACH ALPHA PD TO PHI YAM T P ALPHA PS ALPHA ALPHA PS ALPHA A	ORB! TER	FUSEL AGE							PARAM	ETRIC DATA			
HACH ALPHA PO TO PHI TAN 110 P 0 0 X10 6 19.77 940.6 1315. 180.0 0.0000 95.70 5.700-01 2.532 X10 6 110.77 945.6 1315. 180.0 0.0000 95.70 5.700-01 2.532 X10 6 110.77 945.6 1315. 180.0 0.0000 95.70 5.700-01 2.532 X10 6 110.77 945.6 1315. 180.0 0.0000 95.70 5.700-01 2.532 X10 6 110.77 945.6 1315. 180.0 0.0000 95.70 5.700-01 2.532 X10 7 7 80.0 0.0000 0.00						BETA				EL EVON	0000.	RUDDER .	0000.
HACH ALPHA PO TO PHI YAH T P G						1ES	T CONDITIO	•••SN					
Name Name	RUN	МАСН	ALPHA DEG.	PO PSIA	10 DEG. R	₩. 966.	YAW DEG.		a 84 ₹3	0 PS1A	V FT/SEC	RHG SLUGS	₩ 18-5€C
### #### #### #### ###################	8	7.980	19.77	545.6	1315.	0.081	. 0000	95.70	.5700-01	2.532	3826.	+0-878+.	70-7077.
TRACE X/L T/C NO H/HREF H/HREF H(9TO) H(TO) H(TAH) 1.0000 .2750 1.0000 .1290-01 .1060-01 .1440-01 .603-33 .1610-03 .495-03 .495-03 1.0000 .2750 1.0000 .1290-01 .1060-01 .1440-01 .603-03 .4161-03 .495-03 1.0000 .32500 2.0000 .1110-01 .9200-02 .1240-01 .4345-03 .3592-03 .4953-03 1.0000 .32500 4.0000 .9100-02 .7200-02 .3710-03 .3952-03 .4953-03 1.0000 .32500 4.0000 .9100-02 .7400-02 .3710-03 .3956-03 .4953-03 1.0000 .47500 9.0000 .9000-02 .7400-02 .3740-03 .3956-03 .4953-03 1.0000 .47500 9.0000 .9000-02 .1720-01 .354-03 .495-03 .495-03 1.0000 .47500 9.0000 .9000-02 .1720-01 .354-03 .476-03	RUN NUMBER 99	RN/L X10 6 /FT 2.471	HREF BTU/ R FT2SEC .3916·01	STN NO R= .0175									
TRACE X/L T/C NO						:	TEST DATA.	:					
1,0000 27500 1,0000 1,1290-01 1,0000 1,440-01 5,033-03 4,161-03 5,622-03 1,0000 2,0000 2,0000 1,110-01 9,000-02 1,440-01 5,033-03 4,161-03 5,622-03 1,0000 3,0000 4,0000 3,0000	RUN	TRACE	x/r	1/C NO	H/HRSF R=0.9	H/HREF R=1.0	H/HREF R*TAW	H(910) BTU/ R	H(T0)	HITANI BTU/ R	abot BTU/	DTWDT DEG. R	TH DEG. R
1,0000 35000 2,0000 1110-01 9200-02 12940-01 4345-03 3592-03 4853-03 1,0000 32500 3,0000 9100-02 7200-02 3417-03 2826-03 3816-03 1,0000 35000 4,0000 9100-02 7500-02 3417-03 2826-03 3816-03 1,0000 37500 5,0000 9000-02 7400-02 3524-03 3596-03 3796-03 1,0000 4,0000 6,0000 1090-01 1090-01 3524-03 3584-03 3796-03 1,0000 4,500 8,0000 1090-01 1090-01 1410-01 4756-03 4764-03 1,0000 1,0000 1,000-01 1090-01 1410-01 4932-03 4764-03 1,0000 1,0000 1,000-01 1,000-01 1410-01 4932-03 4764-03 1,0000 1,0000 1,000-01 1,000-01 1,000-01 1,000-01 1,000-01 1,000-01 1,000-03 356-03 4760-03 1,0000 <	66	1.0000	.27500	1.0000	.1290-01	1060-01	10-0441.	.5033-03	.4161-03	.5622-03	3160	73.EU	555.2
1.0000 32500 3.0000 8000-02 7200-02 3417-03 5818-03 3818-03 31000 1 35500 0 3.0000 8000-02 7500-02 1010-01 3551-03 5818-03 3100-02 10000 35000 35000 9 9000-02 7400-02 1010-01 3524-03 3528-03 37520 3900-02 7400-02 1120-01 3524-03 3528-03 7458-03 1.0000 74.500 9 0000 1 1000-01 1120-01 3522-03 3243-03 7458-03 1.0000 74.500 9 0000 1 1500-01 11410-01 7352-03 3243-03 7920-03 1.0000 74.500 9 0000 1 1500-01 11410-01 7252-03 7500-03 7500-03 1.0000 75000 1 10.000 11500-01 11410-01 7252-03 7500-03 7500-03 1.0000 75000 1 10.000 11500-01 11410-01 7252-03 7500-03 7500-03 1.0000 75000 1 10.000 11500-01 11410-01 7252-03 7500-03 7500-03 1.0000 75000 1 10.000 1 1310-01 1250-01 1250-03 7500-03 7500-03 1.0000 75000 1 10.000 1 1310-01 1250-01 1250-03 7500-03 7500-03 1.0000 1 10.000 12500 1 1310-01 1250-01 1250-03 7500-03 7500-03 1.0000 75000 1 12000 1 12000 1 1250-01 1250-03 750	6 6	1.0000	.3000	€.0000	.1110-01	. 9200-02	1240-01	. 4345-03	.3592-03	.4853-03	.2730	2.877	555.7
1,0000	8 8	1.0000	.32500	3.0000 4.0000	50-0016.	.7500-02	10-00/6.	.3551-03	.2937-03	.3966-03	.2230	2.300 2.300	555.0
1,0000 4,0000 6,0000 1,0000 1,0000 1,4265-03 1,3548-03 1,3548-03 1,764-03 1,0000 1,4500 1,0000 1,4500 1,0000 1,4500 1,0000 1,4500 1,0000 1,4500 1,0000 1,4500 1,0000 1,4500 1,4500 1,0000 1,450	66	1.0000	.37500	5.0000	. 9000-02	50-00+6.	.1010-01	. 3524-03	.2915-03	.3936-03	. 2220	2.316	554.8
1,0000	8 8	1.0000	00004.	6.0003	10-0601.	50-0006.	1950-01	, 4255-03 50-655	. 3528-03	.4764-03	. 2580	0.740	554.8
1,0000 ,4,500 9,0000 ,1810-01 ,1500-01 ,7920-03 ,5663-03 ,7920-03 ,9920-03 ,7920-03 ,9920-03 ,7920-03 ,9920-03 ,7920-03 ,99200-03 ,9920-03 ,9920-03 ,9920-03 ,9920-03 ,9920-03 ,9920-03 ,9920-03 ,9920-03 ,9920-03	ת ה	1.0000	00054	8.0000	.1260-01	10-0-01.	1410-01	.4932-03	.4079-03	.5508-03	.3100	3,150	555.0
1,0000 50007 10,000 1690-01 1310-01 1770-01 5219-03 5143-03 6946-03 1,0000 55260 11,000 15260 11,0000 15250 11,0000 12,000 12,000 13,000 12,000 13,000 12,000 13,00	8	1.0000	005.4.	9.0000	.1810-01	.1500-01	.2020-01	.7390-03	.5863-03	.7920-03	.4453	4.503	555.6
1,0000 52500 11,000 1830-01 1800-01 1800-01 1650-03 1760-03 17	66	1.0000	.50063	10.000	1590-01	1310-01	10-0771.	. 52:9-03	.5143-03	6946-03	0165.	3.938	554.9
1.0000 60000 13.000 13.000 2320-01 1920-01 1253-02 10993-03 7514-03 1.0000 1.0000 1.0000 13.000 13.000 13.000 1.00000 1.00000 1.00000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1	56 B	1.0000	. 55500	12.000	16-0191	15:0-01	:0-0402:	.0-c250.	.5926-03	.8002-03	. 4500	4.496	554.8
1.0000	, g	1.0000	. 60000	13.000	.2320-01	1920-01	.2590-01	50-0606	.7514-03	.1015-02	.5700	5.137	556.3
1.0000 1.0000 15.000 15.000 15.60-01 14.860-01 15.70-01 16.89-02 1668-02 1668-02 16.8000 1.00	8	1.0000	.65000	14.000	.3200-01	.2540-01	.3583-01	. 1253-02	.1035-02	2C-0041.	.7840	7.886	557.7
1,0000 . 5500 16,000 . 6240-01 . 5150-01 . 6980-01 . 2443-92 . 2016-02 . 10000 . 10000 . 10000 . 10000 . 10000 . 10000 . 10000 . 10000 . 10000 . 10000 . 10000 . 10000 . 10000 . 10000 . 1250-02 . 10000 . 1250-01 . 1280-01 . 1380-01 . 1280-01 . 1280-01 . 1380-01 . 128	66	1.0000	26007.	15.000	.5:60-01	.4260-01	10-0775.	. 2020-02	. 1669-02	.2259-02	1.258	12.19	550.6
1,0000 80000 17,000 3210-01 2650-01 3599-01 1856-02 1037-02 2017-03 2 20000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	66	1.0000	.75009	16.000	.6240-01	.5150-01	.6980-01	.2443-32	. 2016-02	.2733-02	1.516	15.21	268.9
2.0000	8 8	1.0000	000000	17.000	.3210-01	.2650-01	3590-0:	. 1256-02	.1037-02	50-4041.	. 7820 3040	7.515 7.577	350.0 57.7
2.0000 3900 20.000 1180-01 30-000 130-01 3900 20 3000 150-01 3000 20 3000 1180-01 150-000 20 3	g: 8	Z.0000	58550	18.000	10-0-01	10-000	10-0661	50-548. 50-1/61	26-45-45-	FU-177 1	טיטני.	4.50	5.65
2.0000 42600 21.000 1840-01 1520-01 1000-01 1789-03 5942-03 5-0000 5.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.00000 6.00000 6.00000 6.00000 6.00000 6.00000 6.00000 6.000000 6.0000000 6.00000000	g 8	2.0000	39,06.	20.000	1180-01	50-0006.	1310-01	. 4605-03	.3807-03	5143-03	.2890	3.388	555.6
2.0000 147850 10-0215. 10-015. 100-01 2.0000 25. 03. 03. 03. 03. 03. 03. 03. 03. 03. 03	66	2.0000	. 42600	21.000	10-0481	.1520-01	.2050-01	.7189-03	.5942-03	.8032-93	. 4500	5.246	557.0
	66	2.0000	.47800	22.000	10-0012.	1749-01	10-05.2	. 8227-03	.5800-03	.9191-03	.5162	5.706	555.3

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		DTMDT	DEG. R) SEC	8.331	9.845	₹.	
		1000	BTU/	FT25CC	.7530	.9130	1.696	
30:		H(TAH)	BTU, R	FTZSEC	.1346-02 .7530	. 1635-02	.3067-02	11.1
AGE PORT S	ZVBR19	HC10)	BTU/ R	FT2SEC	.9952-03	. 1203-02	.2261-02	
HTER FUSEL	OH-74 (AEDC V418-88A) BG2C12F10H16H127E52VBR19	н(910)	81U/ R	FTZSEC	.1204-02	.1463-02	.2741-02	
DATA ON ORE	1) B62C12F1	H/HREF	R-TAW		3440-01	.4180-01	.7830-01	
HEATING C	C V41B-88A	H/HREF	R=1.0		.2540-01	.3090-01	.5770-01	
V418-88A)	OH-74 (AED	H/HREF	R=0.9		.3080-01	.3740-01	.7000-01	
OH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE		1/C NO			23.000	24.000	25.000	
		x/L			.53000	.56700	.62000	
OCT 75		TRAVE			2.0000	2.0000	2,1300	
DATE 07 OCT 75		3	NUTBER	1	66	66	56	1

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25	TRAYE	x/۲	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAM)	1000	DTMDT	
NUMBER				R=0.9	R-1.0	R-TAW	81U/ R	B1U/ R	BTU/ R	BTU/	DEG. R	DEG. R
,	1					9	FTZSEC	FT2SEC	FTZSEC	FTZSEC	755.0	2
g 6	S. 0000		23.000	10-080s ·	10-04C	10-0445	90-1021	. 935°-US	20-0451.	0567.	100.00	1.000
6	2.0000	.56700	24.000	.3740-01	.3090-01	.4180-01	.1463-02	.1203-02	1635-02	91.50	U. 0.	. r
56	2.1300	.62000	25.000	10-000/	10-0//6	. /830-01	- 1479.		50-/505.	960.1		7,00
g ;	2.3000		26.000	10-0264	10-0904.	10-0055.	50-651.	20-8951.	20-50-12.	 נייי	10.01	7.000.7
8	2.0000	.70500	27.000	. 2870-01	.2370-01	. 3600-01	1166-06	50-6926.	20-4021.	0107.	, i	1.000
8	2.0000	.75000	29.000	. 1560-01	. 1290-01	. 1740-01	.6093-03	.5038-03	.6806-03	. 3830	¥	333.6
66	2.0000	.80000	29.000	. 1460-01	. 1210-01	. 1630-01	.5711-03	.4722-03	.6379-03	.3590	3.932	555.6
66	2.0000	.82400	30.000	-4500-02	.3700-02	.5000-02	.1758-03	1.154-03	.1964-03	100	1.530	555.0
66	3.0000	.20000	31.000	.2810-01	. 2320-01	.3140-01	.1099-02	.9067-03	. 1229-02	.6830	7.176	562.1
66	3.0000	.22500	32.000	.2140-01	11770-01	.2400-01	.8394-03	.6930-03	.9385-03	.5230	5.801	560.9
66	3.0000	.25000	33.000	.1650-01	.1360-01	.1840-01	.6442-03	.5322-03	.7200-03	.4020	4.472	558.8
66	3.0000	.27500	34.000	. 1300-01	10-0701.	.1450-01	.5088-03	.4205-03	.5686-03	.3180	3.787	557.7
6	3.0000	.30000	35.000	10-041.	.9400-02	. 1270-01	.4455-03	.3682-03	.4977-03	.2790	3.433	555.8
66	3.0000	.32500	36.000	.1230-01	. 1020-01	.1370-01	.4816-03	.3981-03	.5381-03	. 3020	3.517	556.7
66	3.0000	.35000	37.000	1280-01	.1060-01	.1430-01	.5022-03	.4151-03	.5610-03	.3150	3.630	556.6
66	3.0000	.37500	38.000	1310-01	1080-01	.1450-01	.5128-03	.4239-03	.5728-03	. 3220	3.748	556.3
تر ن	3.0000	00004	39.000	.2150-0,	1780-01	.2400-01	.8415-03	.6955-03	.9402-03	.5270	6.173	557.0
66	3.0000	.42509	40.000	.2670-01	. 2200-01	.2980-01	.1045-02	.8628-03	.1168-02	.6520	7.655	559.5
66	3.0000	45000	41.000	.2760-01	.2280-01	.3090-01	.1981-02	.8931-03	.1208-02	.6760	7.866	558.3
66	3.0000	.47500	42.00	.3290-01	.2720-01	.3680-01	.1288-02	.1064-02	20-0441.	.8050	9.836	559.9
66	3.0000	.50000	43.000	19-0144	.3640-01	.4930-01	.1727-02	.1426-02	.,930-02	1.075	11.87	560.9
66	3.0000	.52500	44.000	.6330-01	.5220-01	.7080-01	.2478-02	20-4402.	50-1775.	1.538	17.85	562.8
66	3.0000	.55000	45.000	.7750-01	.6390-01	.8680-01	.3036-02	.2502-02	.3358-02	1.872	20.61	566.9
66	3.0000	.60000	46.000	10-0624	.3630-01	.4910-01	.1720-02	. 1421-02	.1923-02	1.073	11.56	550.0
66	3.0000	.65000	47.000	:0-066:	.1640-01	.2220-01	.7780-03	.6431-03	.8691-03	. 4880	υ. <u>-</u> ξ	556.4
66	3.0000	.70030	48.000	. 1250-01	10-0401.	1400-01	.4906-03	.4057-03	.5480-03	.3080	3.378	555.5
66	3.0000	.75000	49.000	.9500-02	. 7900-02	.1060-01	.3719-03	.3075-03	.4154-03	.2340	2,525	555.3
66	3.0000	00008	50.000	. 7900-02	.6600-02	-8900-05	.3103-03	.2566-03	.3466-03	. 1950	2.075	555.4
66	3.0000	.85000	51.000	.1130-01	.9300-02	.1260-01	.4423-03	. 3556-03	.4942-03	.2770	3.409	556.8
65	3.6090	.87509	52.350	.2080-01	. 1720-01	.2330-01	.8163-03	.6742-03	.9125-03	. 5090	6.25	559.8
56	3.0000	00006	53.000	.8400-J2	. 7000-02	20-0046.	.3300-03	. 2727-03	.3688-03	. 20Eŭ	2.82¢	0.8cc
66	3.0000	.92500	54.000	10-0011.	.9100-02	.1230-01	.4294-03	.3548-03	.4798-03	. 2683	3,493	558.3
£5	3.0000	.95000	55.000	10-0021	10-0801.	10-0941.	.5104-03	.4217-03	.5703-03	.3190	3.210	558.1
66	4.0000	.20059	71.000	.3510-01	.2890-01	10-0268.	-1373-02	.1132-02	.1537 32	.8480	9.583	556 0
66	4 0000	.22553	200.52	10-0775.	.2280-01	3090-01	.1083-02	.893!-03	.1211-02	.6710	7.785	564.3
66	4 0000	.25000	73.000	.2020-01	10-0991	.2250-01	.7897-03	.6519-03	.8831-03	0164.	5.710	561.4
66	4.0000	.27500	74.000	.1630-01	.1350-01	10-0281.	.6385-03	.5273-03	.7138-03	.3980	4.887	560.1
56	6000.4	.39509	56.000	1330-01	10-0011.	10-06-11	.5225-03	.4317-03	.5879-03	.3270	4.251	558.2
56	4.0000	.32503	57.030	10-075:.	1300-01	10-09/1.	.6:62-03	.5091-03	.6886 03	. 3850	5.011	558.4
66	4.0000	35005	58.000	.2620-01	.2160-01	.2930-01	.1025-02	.8450-03	.1145-02	.6390	8.298	560.4
65	4.0000	.37500	59.000	10-0214	34:0-01	.4620-01	.1618-02	.1335-02	. 1809-02	1.005	13.05	552.1
66	4.0000	65504.	60.00	10-0165.	.4870-01	.6510-01	.2313-02	.1907-02	. 2588-02	1.430	18.55	565.0
56	₩.c099	. 42500	61.300	.7460-01	10-0419	.8350-01	. 7920-02	50-50-05	.3279-02	1.794	23.21	569.2

DATE 0'	DATE 37 OC 75		OH-74 AEDC	V418-B8A)		DATA ON ORE	HEATING DATA ON ORBITER FUSELAGE	PORT	S10E			PAGE	5.
				OH-74 (AE	04-74 (AEDC V418-88A) 86RC12F10M16H127E5ZV8R19	1) B62C12F1	OM164127ES	2V8R19				(RVB001)	2
Ş	TRACE	x/r	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H1 T0	+(TAH)	1000	OTWO	7	
NUMBER				R=0.9	R•1.0	R-TAW	BTU/ R	BTU/ R	8TU/R	8TU/	DEG. R	DEG. R	
							FT2SEC	FT2SEC	FT2SEC	FT2SEC	/ SEC		
6	€.000€	.45000	62.000	10-0169	.5650-01	.7730-01	.2705-02	. 2228-02	.3028-02	1.563	21.29	568.5	
66	\$.0000	.47500	63.000	10-0084	.3960-01	.5370-01	.1880-02	. 1551 - 02	-2104-02	1.163	14.65	564.E	
66	4.1300	.50000	64.090	.2670-01	.2210-01	. 2990-01	.1046-02	.8644-03	-1170-02	.6540	8.029	558.9	
66	4 J000	.52500	65.000	10-0061.	1570-01	.2130-01	.7454-03	.6159-03	.8330-03	.4660	5.728	558. :	
66	\$.0000	.55000	66.000	.1410-01	.1160-01	10-0721.	.5511-03	.4555-03	.6157-03	.3450	4.024	556.8	
66	4.0000	.60000	67.000	10-0401.	. 8500-02	.1160-01	.4078-03	.3372-03	.4555-03	.2550	₽.854	555.6	
õ	4.0000	.65000	69.000	.7700-02	.6400-0 2	.8500-02	.3031-03	. 2505-03	.3386-03	1900	2.220	555.4	
66	4.000c	70000	69,000	.6400-02	5300-05	.7200-02	.2512-03	.2077-03	.2806-03	.1580	1.746	555.	
66	۴.0000	.75000	70.000	.5600-02	.4509-02	.6200-02	.2190-03	.1811-03	.2446-03	. 1 380	1.527	555.6	
66	4.0000	.80000	75.000	.2300-02	20-0C6: ·	.2600-02	.900e	7444-04	.1006-03	.5600-01	.6760	556.5	
66	۴.0000	.85000	75.000	.2703-32	-6322-05	.3100-02	.1076-03	.8895-04	. 1202-03	10-0089	. 7950	555.4	
66	₹.0000	.87500	77.000	.5300-02	-4300-05	.5900-02	.2057-03	.1700-03	.2298-03	. 1290	1.676	557.4	
66	۴.0000	.90000	78.000	. 9100-02	. 7600-02	.1020-01	.3579-03	.2956-03	£0-0004.	.2240	2.874	558.9	
66	₹.0000	.92500	79,000	.6800-02	.5600-02	.7500-02	.2674-03	. 2210-03	. 2988-03	.1670	2.056	557,9	
6 6	4.0000	.95000	80.000	. 2 600-02	-5500-05	20-0062.	.1028-03	-84BS	.1148-03	.6400-01	.7490	557.4	

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PARTICLE FLOEE AGE PARTICLE PARTICL	DATE 07	07 OCT 75		0H-74 (AEDC V418-88A)	V418-88A)	HEATING (DATA ON ORE	ITER FUSEI	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	3105			PAGE 71
### PO TO PHI VMH T P PSIA # 0.000 RACH • 0.000 ELEVON • .0000 RADDER • .0000 FACE					0H-74 (AE	C V418-88/	A) BB2C12F1	OM164127E	52VBR19				(RV900)
	ORBITER	PUSEL AGE							PARAM	TRIC DATA			
TRACE X.L. 17C NO HIMBER NUMBER NIGHON 94.30 5700-01 2.540 5797. 5071-04 1840. 22.537 180.0 100.0 100.0 19.30 5700-01 2.540 5774 5797. 5071-04 1840. 22.537 180.0 100.0 100.0 11320-01 1800-02 11320-01 1800-01 18						BETA		MACH		ELEVON -			0000
NACH ALPHA PO						•••165	T CONDITION	•••					
TRACE X/L T/C NO H/HMEF H/HME	RUN	MACH	ALPHA DEG.	PO PS!A	10 DEG. R	рні 066.	YAW DEG.		P PSIA	c q	V FT.SEC	RHO SLUGS	MU LB-SEC
TRACE STA NO STA NO STATEST DATA	001	7.980	24.90	547.4	.295.	0.081	.0000	94.30	.5700-01	2.540	3797.	7FT3 .5071-04	7590-07
10000 275CC 1.0000 1320-01 1090-01 1880-01 5169-03 4273-03 5173-04 5.93 549.5 1.0000 2.75CC 1.0000 1320-01 1980-01 5169-03 4273-03 5173-03 2.790 2.990 5.000 1320-01 1980-01 5169-03 4273-03 5173-03 2.790 2.990 5.990 5.000 1320-01 1980-01 5169-03 4273-03 5173-03 2.790 2.990 5.990 5.000 1190-01 1980-01 1980-01 1980-03 1975-03 4279-03 2.770 2.990 5.990 5.000 1190-01 1980-01 1980-01 1980-03 1975-03 4279-03 2.770 2.993 547.5 1.0000 2.7000 1190-01 1980-01 1980-01 1980-03 1975-03 4279-03 2.770 2.933 547.5 1.0000 2.7000 1190-01 1980-02 1180-01 1980-02 1180-01 1980-03 1970-03 2.7000 2.933 547.5 1.0000 1970-01 1980-02 1180-01 1980-03 1970-03	RUNDER NUMBER	RN/L X10 6 /FT 2.537	HREF BTU/ R FT2SEC .3912-01	STN NO R= .0175									
TRACE X/L T/C NO H/HREF H/HRE						:	TEST DATA*	:					
Record R	ž	TRACE	X	1/C ND	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HITAN	7000	DTWDT	3
1,0000 1	NUMBER	}			R=0.9	R-1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	
1,0000 275CC 1,0000 1320-01 1980-01 1980-01 1980-03 1975-03 1976-03 3190 3.597 1,0000 2,0000 1,0000								FT2SEC	FT2SEC	FIZSEC	F123EC	/SEC	
1,0000 32500 2,0000 1,160-01 9600-02 1,950-03 1,315-03 5,055-03 2790 2,959 2,959 1,0000 32500 3,0000 1,130-01 9400-02 1,100-01 3839-03 3,175-03 4,289-03 2,774 2,833 2,5000 2,0000 1,100-01 9400-02 1,100-01 3,150-01 1,426-03 4,260-03 2,2000 1,100-01 1,200-01 1,400-01 1,200-01 1,200-03 1,200	100	1.0000	27500	1.0000	1320-01	10-0601.	.1480-01	.5169-03	.4273-03	.5776-03	.3190	3.297	548.5
1,0000 32500 3,00000 3,00000 3,00000 3,00000 3,00000 3,0000	001	1.0000	30000	2.0 000	.1160-01	.9600-02	10-0621.	.4526-03	.2741-03	.5055-03	.2790	2.959	547.9
1,0000 1	00:	0000.1	32500	3.0000	-0086.	-8100-02 	.1100-01	.3839-03	3175-03	50-6924.	0/50.	0	7. / T
1.0000	001	0000	35000	4.63ga	10-0511.	50-0045.	10-3/21	4181-03	3456-03	.4670-03	.2580	2.71	4.7.40
1,000 1,4550 1,000 1,000 1,00000 1,00000 1,00000 1,00000 1,00000 1,00000 1,0000	2 0	0000	00004	6.000	1140-01	. 9500-02	. 1280-01	.4478-03	.3703-03	.5002-03	0775.	2.839	547.0
1,0000	001	1.0000	00004	7,0000	1760-01	16-0041	19-0051.	.6638-03	.5486-03	.7416-03	0014	4.235	£48.4
1,0000 1,7500 1,7000 1,930-01 1,990-01 1,7545-03 1,5803-03 1,9842-03 1,400 1,400 1,930-01 1,590-01 1,7545-03 1,5837-03 1,9429-03 1,400 1,400 1,930-01 1,590-01 1,7545-03 1,927-03 1,9429-03 1,9429-03 1,4050 1,5200 1,5200 1,2000 1,2200-01 1,2200-01 1,9801-03 1,7426-03 1,013-02 1,5590 1,400 1,5200-01 1,9200-01 1,9801-03 1,9429-03 1,013-02 1,5590 1,400 1,5200-01 1,9801-03 1,9429-03 1,013-02 1,5590 1,400 1,5000 1,940-01 1,9401-03 1,940-02 1,131 1,140 1,0000 1,5000 1,940-01 1,940-03	100	1.000	62054.	8,0000	.1830-01	.1523-01	.2050-01	.7174-03	.5929-03	.8015-03	.4430	4.514	540.4
1,000 1,00	00.	1.0000	47590	9.0000	10-0671.	10-0841.	.2000-01	.7020-03	.5803-03	.7842-03	.4330	1,400	549.7
1,0000 1,000 1,000 1,000 1,000 1,000 1,000 1,00000 1,000000 1,000000 1,000000 1,000000 1,000000 1,000000 1,000000 1,000000 1,0000000 1,0000000000	100	:.0000	.50000	10.000	10-0261	10-06511	.2150-01	.7545-03	, 5237-03	.8429-03	. 4563	4.708	
10000 15500 12.000 1270-01 1.00000 1.000000 1.000000 1.000000 1.00000000	001	1.0000	. 52500	11.000	.2320-01	. 1920-01	.2593-01	.9064-03	.7492-03	- 1013-02	. 5590	5,649	בים הים הים
10.000 15.000 13.000 14.720-01 13900-01 1896-02 1524-02 2.0054-02 11.151 11.150 11.150 11.151	100	1.0000	.55006	12.000	.2510-01	.2076-01	.2800-01	.9801-03	.8100-03	50-CEOI.	0000	0.00	0,0
1 0000 1 10000 14.000 14.000 15.710-01 14.000 16.253-00 1823-03 1807-03 1907-0	្វេះ	1.0500	26009.	13.000	10-0274.	.3900-01	.5280-0:	. 1846-02	50-4561.	5054-02	1. 5 1. 755	04.11 87.41	מיטים. מישור ה
1 C000	S	1,0000	.65330	500°±1	.5710-01	10-0164	10-0859.	. 22.55-02	20-8431.	20-86-5.	0000	ייים מיים מיים	י מיני
10000 1 75000 1 10000	00,	1 0000	20002.	15,000	10-0115.	10-04/1.	10-0689.	20-52-03 50-63-03	50-020-03	50-70-8	0.00.	7 T	. 0
20000 2 00000 3.784 549 500 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00-	1.0000	20057.	12,000	10-0001.	50-00-4	60-0016	¥194-026.	50-959-	3579-03	0.191	1.899	
20000 3 33700 19 0000 10 100001 100001 100001 100001 000001 000001 000000	2 6	1.9009	00000	220.72	70-0721	10-0:11	1500-01	5252-03	14340-03	.5859-03	.3240	3.784	
2.0000 3900 20.000 1890-01 1850-01 7336-03 5118. \$118-03 625-03 650 5.363 548 5.000 5.363 548 5.000 5.000 5.363 548 5.000 5.00	0 0		23775	000 E.	10-6381	1080-01	1450-01	.5036-03	.4212-03	.5693-03	3140	3.698	
2.0000 4.5600 2.000. 20.000. 0.0900. 0.0900. 0.0900. 0.0000. 0	60.	0000	35058	20.05	10-0681	.1550-01	10-0112.	.7336-03	.6112-03	.8263-03	.4550	5.363	
8,798 0507. 50-029. 1. 1886-01. 1886-02. 10-0575. 10587. 020.55 000.55 000.55 000.55	000	2.0000	2092*	23,.603	.2400-0;	10-0851.	.2690-31	.9370-03	.7739-03	.1047-02	.5750	6.731	
	001	2.000	SUBLT.	22.55	.3290-01	10-0275.	.3589-91	. 1288-02	. 1064-02	1439-02	026٤.	8,798	550 2

The transfer of the grade of the configuration that a second of

REPRODUCED LETY OF THE ORIGINAL PAGE IS POOR

DATE 07	07 001 75		0H-74 (A50C	0H-74 (AEDC V418-88A)		DATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	AGE PORT S	3016			PAGE 77	
				OH-74 (AEC	OC V418-88	A) B62C12F1	04-74 (AEDC V418-88A) BG2C12F10M16W127E52VBR19	52VBR19				(RVB001)	
N.S.	1P2, E	×۱۲	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	нс 10	HITAW	1000	DTMDT	3	
NUMBER				R=0.9	R=1.0	R-TAM	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R	
0	0000	53000	000 22	.6970-01	.5750-01	.7810-01	.2728-02	50-6468.	. 3053-02	1.659	18.36	557.4	
661	2.000	.56700	84.000	.5893-01	.4860-01	.6590-01	.2304~02	.1900-02	.2578-02	1.404	15.17	555.9	
001	2.1300	.62030	25.000	10-0612.	.1810-01	.2440-01	.8554-03	.7067-03	.9560-03	. 5260	5.703	550.1	
001	2.J000	.87000	26 .000	10-0281.	10-0601.	10-08+1	.5166-03	.4271-03	.5771-03	.3190	3.461	547.9	
100	2.0000	.70500	27.030	1010-01	. 6300-02	.1120-01	, 3932-03	. 3251-03	.4393-03	.2430	2.612	547.8	
001	2.0000	. 75000	28.000	.7500-02	.6200-02	.8400-02	. 2930-03	. 2423-03	. 3273-03	.1810	-, 98 ⁺	347 S	
100	2.0000	06008.	29.000	. 6000-02	.5000-02	.6700-02	.2353-03	. 1945-03	.2629-03	. 1450	1.598	548.4	
100	≥.0000	.82400	30.000	20-051.	. 1500-02	50-0005.	.7003-04	+0-88/S.	7824-04	10-0054.	. 5000	248.3	
001	3.0000	. 20000	1.000	.2920-01	10-0142.	10-0775	9679-02	7988-03	1082-05	0765	6.597 6.597	553.7	
2 5	3.0000	טטניסט.	32.000	1870-01	1540-01	2090-01	.7304-03	.6033-03	.8165-03	0611	5.008	551.0	
2 5	0000	27500	34.000	1450-01	.1200-01	16-0291	.5666-03	.4682-03	.6331-03	.3490	4.172	549.5	
8 8	3.0000	30000	35,000	1300-01	1070-01	.1450-01	.5074-03	.4193-03	.5668-03	.3130	3.866	548.5	
8	3.0000	32500	36.003	1370-01	1130-011	.1530-01	5349-03	.4421-03	.5976-03	.3300	3.861	548.4	
100	3.0000	.35000	37,000	.1510-01	. 1250-01	1690-01	.5912-03	.4887-03	.6604-03	.3650	4.227	548.1	
00;	3.0000	.37500	38.000	.2570-01	.2120-01	.2870-01	.1004-02	.8294-03	.1122-02	.6180	7.221	550.2	
100	3.0000	00004.	39.000	.3240-01	.2680-01	. 3620-01	. 1267-02	.1047-02	.1416-02	. 7800	9.168	550.0	
100	3.0000	.42500	40.000	10-0424.	.3500-01	.4740-01	.1660-02	.1370-02	.1856-02	0:6	11.98	553.6	
100	3.0000	.45000	7 1.00C	.5750-01	10-0165.	.6430-01	.2247-02	. 1854-02	.2514-02	1.372	15.59	555.0	
100	3.0000	.47500	42.000	.6700-01	.5520-01	.7500-01	.2621-62	.2160-02	40-4862.	1.592	17.60	558.3	
001	3.0000	. 50000	43.000	10-0+05.	.4:50-01	.5640-01	. 1973-02	.1627-02	.2507-02	+ 00 d l	15.55	223.6	
001	3.0000	.52500	44,000	10-0642.	.2060-01	10-0875.	.9732-03	.8040-03	30-890:.	0555	700.	320.1	
8	3.0000	.55000	45.000	1780-01	14/0-01	10-0661.		50-80/C.	50-86//.	0264	3 070	547.B	
001	3.0000	. 50000	46.003	60-0008	50-0078	90-0-00	50-090+	. 2602-03	.3515-03	. 1950	2.062 2.062	546.8	
2 6	3.0000	00000	000.84	5700-05	-00/4.	.6400-02	.2236-03	1849-03	.2497-03	.1380	1.523	546.9	
001	3.00.0	.7500	69,000	3900-05	.3200-02	₹0-00£ h.	.1512-03	. 1251-03	.1689-03	.9400-01	1.015	547.0	
100	3.00	.8000	55.000	.1500-02	. 1200-02	50-0071.	.5855-04	+0-0+84.	.6540-04	.3600-01	. 3870	547.5	
100	3.0000	.85330	51.000	.3699-02	.3000-02	£0-001×.	.1420-03	.1173-03	.1587-03	.8700-01	1.078	550.:	
100	3.0000	.87509	52.000	50-0064.	.6500-02	.8800-02	.3072-03	.2537-03	3435-03	1890	2.324	9.128	
100	3.0000	0000E	53.033	.9830-02	-8100-02	10-0601	.3826-03	.3158-03	50-8/24.	. 464.0	3. F. C. C. C. C. C. C. C. C. C. C. C. C. C.	555.5	
00 1	3.0000	. 92500	54.000 11.000	10-0-11.	20-00%	10-080	50-/Q55.	2502,03	60-6804	26.35	2.56	550.8 550.8	
001	3.0000	90055		10-0111.	. 9600-UC	10-0401	60-21-51	9355	1587-02	ς:98.	9.762	558.3	
0 0	0000	55555	72 000	.2030-01	.22:0-01	.3130-01	50-5601.	.9042-03	.1226-52	.6690	7,798	555.3	
001	4.0000	.25000	73.000	.2140-01	.1770-01	.2400-01	.8380-03	.6918-03	.9371-03	.5140	5.995	552.7	
150	4,0000	.27500	74 900	.1830-01	.1510-01	.2050-01	.7156-03	.59:0-03	. 7999-03	0624.	5,419	551.4	
100	0000 +	.30000	56.000	16-07+1.	.1220-01	1640-01	.5758-03	.4758-03	.6434-03	.3550	4.635	549.5	
100	4.0000	.32530	57,000	10-0575.	.2310-01	.3120-01	. 1092-02	.9017-03	. 1221-02	.6700	8.747	551.9	
001	٠, 0000	.35000		10-0584	16-60041	.5430-01	1900-02	. 1565-02	.2126-02	1.156	15.05	556.8	
100	۴.0000	.37500		.6180-01	10-0605.	10-0269.	2418-32	. 1932-3 2	. 2705-02	1.467	60.61	338.7 66.7 0	
g::	. 0000	00004	60 000	.3820-01	. 3160-01	. 4290-01 9640-01	.1495-06	7758-02	20-5/01.	ייי. טראני סראני	7	551.3	
100	4.0009	CC202*.		. 26.30-01	יום מסבר משני	ים-הגנטי	ים יים יים יים יים יים יים יים יים יים	1000	יחמר כי)			

DATE 07	DATE 07 OCT 75		OH-"4 (AEDC V418-88A) HEATING DATA ON CRBITER FUSELAGE PORT	V418-88A)	HEATING D	ATA ON CRE	HTER FUSEL	AGE PORT S	SIDE			PAGE .	92
				OH-74 (AEC	N-74 (AEDC V418-88A) BG2C12F19M16W127E52V8R19	1 BG2C12F1	9H16W127E	52V8R19				(RVB001	=
RUN NUMBER	TRACE	X/L	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R=TAN	H(910) BTU/ 3	HCTO) BTU/ R	HITAN) BTU/ R	BTU/	OTWOT DEG. R	7W DE0. R	
8 6	4.0000	00054.	62.000	10-061.	.1150-01	1950-01	.5430-03	.4487-03	.6068-03	.3350	10 E 1	3.03.0	
000	0000.4	30000	64.003	8100-02	.6700-02	.9100-02	.3182-03	.2630-03	.3555-03	. 1960		7. 0. r.	
001	4.3000	.52500	65.000	.7300-02	.6000-02	-8100-02	.2839-03	.2347-03	.3172-03	. 1750	2.165	548.2	
100	4.0000	.55000	66.000	5800-05	-4800-02	.6500-02	. 2274-03	.1880-03	.25+0-03	.1400	1.644	547.8	
100	4.0000	.60000	67.000	CU-00E+.	.3500-02	-4800-05	1673-02	.1383-03	.1869-03	.1030	1.161	547.5	
199	4.0000	.65000	68,000	.3400-,2	.2800-02	.3800-02	:1347-03	.1113-03	. 1504-03	.8300-01	04/6	547.5	
001	4.0000	.75000	000.69	.2000-02	.1600-02	.2200-02	.7738-04	.6395-04	.8644-04	.4800-01	.5310	548.0	
100	4.0000	75000	70.000	.1200-02	1000-02	. 1300-02	40-804	.3889-04	.5253-04	.2900-01	.3230	547.6	
100	4.0000	.83000	75.000	[n-0006.	. 80000-03	.1000-02	.3617-04	.2989-04	40-2404.	.2200-01	.2670	549.8	
001	4.0000	.85000	76.000	.1600-02	. 1300-02	50-0071.	.6077-04	.5022-04	40-16L9.	.3700-01	0244.	549.5	
1 00	4.0000	.87500	000.77	50-0075.	.2200-02	.3000-02	.1053-03	+0-9698	.1177-03	.6500-01	0448.	551.3	
100	4.0000	30006	78.000	-4000-05	.3400-02	.4300-02	.1555-03	.1332-03	.1698-03	. 1200	1.680	394.5	
ÇÇ.	4.0000	.92500	79.000	.6000-02	50-0	.6700-02	.2333-03	.1926-03	.2608-03	.1430	1.763	552.2	
00:	4.0590	.95300	80.008	. 5209-02	.4300-02	20-00657	.2047-03	. 1690-03	.2289-03	. 1250	1.464	552.7	

CATE 07 OCT	1 OCT 75		0H-74 (AEDC	OH-74 (AEDC V41B-88A)		DATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT	AGE PORT !	3015			PAGE 79
				DH-74 IAEL	04-74 IAEDC V418-88A) 862C12F10M16W127E52V8R19	1) 862C12F	10M16W127E	52V8R19				(RVBD01)
ORBITER	ORBITER FUSEL FTE							PARAM	PARAMETRIC DATA			
					BETA	0000	MACH	• B.000	ELEVON .	0000.	RUDDER -	0000.
					1531***	***1EST CONDITIONS***	•••					
RUN	МАСН	ALTES. 066.	PO PSIA	70 DEG. R	PH1 DEG.	YAH DEG.	T DEG. R	PSIA	0 P51A	V FT/SEC	RHO SLUGS	MU 18-SEC 777
101	7.980	29.87	547.8	.289.	180.0	0000.	93.80	.5700-01	2.542	3786.	5103-04	70-6457.
RUN	RN/L X10 6	HREF BTU, R FT2SEC	STN NO R= .0175									
101	2.559	.3909-01	. 2532-01									
					•	***TEST DATA***	:					
25	TRACE	X	1/C NO	H/HREF	H/HREF	H/HREF	H(970)	H(10	HC TAW)	1000	DIMDI	
NUMBER				R=0.9	R=1.0	R.TAW	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. 4
			•			9	FT2SEC	FT25EC	FTZSEC	72550	7367	47.7
<u>.</u>	1.0030	30005	7,0000	10-0251.	10-0101.	10-0561.	. 1558-03	.3939-03	.5328-03	.2920	3 094	546.7
101	0000.1	.32500	3.0000	1030-01	.8503-02	1150-01	.4024-03	.3326-03	£0-9644°	0745.	2.534	545.4
101	1.0000	.35000	4.0000	10-0-01	.8600-02	10-0711.	.4085-03	.3376-03	.4564-03	0.25.	2.595 2.876	545.6 545.5
101 101	1.0000	.37500	5,0000	10-0411.	.1620-01	.2163-0:	7558-03	.6245-03	.8445-03	.4530	4.746	546.7
101	1.6060	20554	7.0000	19-0561.	1610-01	.2:80-01	.76:5-03	,629:-03	.85:0-03	.4663	4.821	547.2
101	0000.1	GC057.	9.0000	.2090-01	1720-01	.2330-01	.8164-03	6743-03	.9125-03	0664.	5.09!	547.8
<u>.</u>	1.0000	50000	000.01	. 2532-01	10-0213.	10-0265.	. 1025-02	. 9478-03	50-5411.	.5280	6.3+5	547.6
101	0000.1	.52500	11.000	10-0055	10-0042.	10-6420.	50-4E11.	.9364-03	.1268-32	.6320	6.995	5,8,6
101	1.0000	.55000	:2.000	.3520-01	.2930-01	.3930-01	-1374-02	55-55.	.1536-02	נשנש.	0.40	550 0
101	1,0000	600009.	13.030	2840-01	10-0459.	25.0815.	50-0111.	. 25 co : 6.	30-040:	5580	5.742	540.4
;; <u>c</u>	0000	00059.	19.000	10-0105.	1660-01	. 2253-01	.7858-03	6490-03	.8783-03	0084.	4.683	548.1
101	1,0000	.75590	16.000	. 9200-02	.7633-02	10-0201.	.3579-03	.2957-03	.3939-03	.2193	2.2:6	545.8
101	1.0000	. 80000	17,000	.3500-02	.3000-02	20-0004.	1407-03	.1:52-03	.:572-03	.8500-01	. 4330	547.0
101	0000 €	28533	:8.003	10-66-17	1230-01	.1650-01	5816-03	. 4834-93	.65 11 -03	.3550	7 UU 10 UU 11 T	547.6
101	5.0000	.33760	19.000	. 1250-01	1040-01	10-0141	.4931-03	50-5205	5510-03	0000	4.333 7.389	1,040.7 Sub u
101	2.0000	39095	20.000 31.000	2600-0:	10-0415.	10-0065.	50-5101.	50-5/5A.	30- 45:1.	0000.	8.291	7.07.0
<u>.</u> 01	2.0050 2.0030	.42650 47800	22.000	10-02+4.	3650-01	10-3964	.1733-02	- 1430-02	53-656;	1.254	11 69	551.2

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DATE 07	7 001 75		0H-74 (AED)	0H-74 (AEDC V418-88A)	HEAT ING	DATA ON DRE	HEATING DATA ON ORBITER FUSELAGE PORT		SIDE			PAGE 8	0
				0H-74 (AE	OC V418-98/	N BESCIEF	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	2V8R19				(RVB001)	_
RUN BER	TRACE	x/۲	1/C NO	H/HREF R=0.9	H/HREF	H/HREF R=TAH	H(910)	H(TO) BTU/ R	HITAM) BTU/ R	0001 BTU/	D'EG. R	TW DEG. P	
r do los					-		FT2SEC	FTZSEC	FTZSEC	FT2SEC	/SEC		
101	2.0000	.53000	23.000	.2870-01	.2370-01	.3210-01	1121-02	.9255-03	. 1254-02	.6830	7.584	1.055	
101	P.0000	.56700	24.000	. 1960-01	. 1620-01	10-0612.	.7646-03	.6315-03	.8546-03	70.7	070.0	7. 7. d	
	2. r 30c	.62000	25.000	. 1330-01	10-0011.	10-06-11	. 5611-03	50-0054.	204-105 304-1-03		2000	1	
101	2.3000	. 67000	22.000	50-00045	50-0007.	10-0101.	29-1-1955 70-1965	289-03	50-05-5	.1770	906	545.9	
10.	8.0000 9.0000	75000	28.000	50-0054	3800-05	5200-02	.1805-03	.1492-03	. 2016-03	0111.	1.215	545.2	
	2000	00000	29.000	5000-05	1800-02	20-0042.	.8525-04	.7046-04	.9525-04	.5200-01	.5760	545.7	
	2.0000	.82400	30.000	.5000-03	.4000-03	.5000-03	.1830-04	.1512-04	.2045-04	10-0011.	. 1560	547.0	
101	3.0000	.20000	31.000	.3070-01	.2530-01	.3430-01	-1199-02	.9890-03	. 1342-02	.7260	7.668	553 7	
101	3.0000	. 22590	32.000	.2620-01	.2160-01	.2930-01	. 102'4-02	.8546-03	.1145-02	.6220	6.930	552.1	
101	3 0000	.25003	33.000	10-0402.	10-0691.	, 2280-01	.7961-03	.6573-03	.8901-03	.4850	5.420	1.0.tg	
101	3.0000	20275	34.000	.1580-01	.1300-01	. 1760-01	.6173-03	.5099-03	. 6899-03	.3780	7.53.F	347.5	
:0:	3.0000	.30000	35.000	1350-01	.1120-01	1510-01	. 5282-03	. 436v-03	.5903-03	. 3240	4.000	0.40.0 1.0.0	
101	3.0000	.32500	35.000	10-01-1	10-0911.	.1570-01	.5507-03	50-0%4h.	50-5618.	. 55.0	3.436	י מחלי מחלי	
.: 6		.35000	37.000	. 2500-01	.2060-01	10-06/2.	50-55/6.	50-9C08.	20-0601.	0080.		יים מיני	
101	2 0000	.37500	38.000	3370-01	2790-01	.3770-01	50-6181.	1089-02	50-6/41.	0076	9.4.0	י מאני מיני	
101	3.0000	20004	39.029	. 5140-01	10-0852.	10-0166.	יולכס-טביי	20-5101.	20-1/61.	7810	900.0	550.5	
101	3.0000	.42500	40.000	.3170-01	.2620-01	10-0465.	1639-06	1053-05	30-0231	0020	0.500	, 015 F	
101	3.0000	. 45000	41.639	.3520-01	10-0162	10-0465.	15/6-04	20-0511.	50-BCC1.	. 6,590	, no. 9	יים מית מית	
101		.4.1500	42.933	:2-0055.	.1990-61	.2570-01	. 8989-03	. /463-03	50-C001.	. 2490	ינים מינים מינים	547.0	
10:	3 0000	. 50000	000. 54	1986-61	10-00-11	. 2030-01	. 7110-03	50-8/8C.	5267-03	0.554	3,382	5,60.5	
0 0	3.0003	00525.	000 ##	10-012:	10-0001.	10-0161	FO-5667	50-2645.	4721-03	5590	2.883	546.0	
5 5	3.0000	50000	ממני היילי היילי	40-005F	5700-05	.7700-02	.2703-03	. 2234-03	.3020-03	. 1660	1.802	545 4	
<u> </u>	0000	00000.	47 000	5000-05.	50-0024.	.5600-02	1974-03	.1632-03	.2205-03	. 1210	1.286	54.9	
5 6	3,0000	.70053	48.000	.3500-02	-50c0-05	.3900-02	.1368-03	.1131-03	.1528-03	10-00+8	.9260	545.0	
0	3 9000	JOCET.	49.000	.1500-02	.1200-02	.1700-02	. 5845-04	.4832-04	.6529-04	.3600-01	. 3900	10.44.7	
٠,٥	3.0000	gggce.	50.000	.1300-02	.1928-82	20-0041.	+0-8+6+.	40-680h.	.5528-04	3000-01	.3250	5.0.0 10.00	
<u></u>	3 0000	.85333	5.,090	50-00-1.	20-03-17	50000-05	.6841-04	.5650-04	7647-04	10-0024.	.5150	548.5	
101	3.0000	.87579	52.003	20-0042.	-50-5JCZ-	-2700-62	9335-04	t0-80//	50-4401.	10-06/5	0607.	3.040	
ē,	3.0000	00006.	53,000 5	3505-02	59-0065.	59-00-55	1371-03	.1136-03	50-500;		1.416	550.4	
5		מינט היי	100 C	00-009F	00-0000	20-002	1267-03	56-0611	517-03	.8300-01	.8340	550.1	
 	30 G S		7. 260	10-0892	30 0563.	10-0214	50-8241	1185-02	15:0-02	.8670	9.845	555.2	
: <u>-</u>) L	יים ביות מיים ביות מיים ביות		.2593-0:	,2220-01	3010-01	.1053-02	.8698-03	50-6211.	.6390	7.454	553.0	
5 5	, 0	0000	73.000	10-0705.	10-0171.	.2320-01	.8100-03	.6585-03	.9059-03	0264.	5.761	550.6	
	(C,	20575.	74.000	.2220-01	1660-01	.2250-01	.7894-03	. 5508-03	.98:5-03	. 4900	5.929	549.8	
6		30000	56.000	.2020-01	16-0491.	10-0522.	.7832-03	.5517-03	.88?2-03	ċ28₹.	6.301	548.6	
č.	4 0000	.32500	57,639	3813-01	13140-01	10-0924.	.1490-02	. 1229-02	.1567-02	0,000	11.80	552.2	
Ę;	4.0000	35950	58.000	3950-01	. 3250-01	12-0244	.1546-92	.1275-02	.1730-62	.9370	12.22	553.2	
5	C000 h	.37500	E9.000	.225 -01	10-0981.	.2520-01	.8817-03	.7279-03	.9859-03	. 5380	7.026	10, 60, 11 10, 10, 11	
	.0000	C000*.	60 000	175 01	11.50-01	1880-01	.6849-03	.5656-03	. 7656-03	1.180	5.459	25.00 10.10 10.10	
101	0000 A	00924.	e	1.2500.	10-0201.	. 1390-01	. 4874-03	.4027-03	.5448-03	. 2380	3 90 c	ĵ.	

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SATE 07 CC	, oc 75		0H-74 (AEDC	04-74 (AEOC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT	HEATING [DATA ON OR	11ER FUSEL	AOE PORT S	3106			PAGE B1
				0H-74 (AE	C V418-88/	04-74 (AEDC V418-88A) 862C12F:OMIGHI27E52V8R19	OM164127E	52VBR19				(PVB001)
P)	TRACE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAH)	7000	DTMDT	3
NUMBER				R=0.9	R=1.0	R-TAW	BTU/ R	81U/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FT2SEC	FTZSEC	/SEC	
101	₹.000C	.45000	62.000	. 82.0-02	.6800-02	.9200-02	. 3213-03	. 2655-03	.3590-03	0.1970	2.548	546.3
101	4.0000	.47500	63.000	-6400-05	.5300-02	-7100-02	.2499-03	.2065-03	.2793-03	.1530	0±6.1	546.1
101	4. م300	. 50000	64.000	5000-15	20-0014.	.5600-02	.1955-03	.1616-03	.2185-03	.1200	1.484	545.7
101	4.3000	.52500	65.000	50-002h.	.3500-02	50-00Lh.	.1650-03	.1363-03	.1843-03	.1010	1.251	545.8
101	4.0000	.55000	66.000	-3900E:	. 3200-02	.4300-02	.1515-03	.1252-03	.1693-03	10-0626	1.089	545 6
10:	4.0000	.60000	67.000	.2500-,2	.2100-02	.2800-02	.9842-04	.8134-04	.1100-03	.6000-01	.6790	545.7
101	۴.0000	.65000	68.000	.1500-02	.1400-02	.1800-02	.6410-04	.5238-04	.7162-04	.3900-01	.4610	545.6
101	4.0000	.70000	69.000	.5000-03	£0-0004.	.3900-03	.2084-04	.1723-04	.2328-C4	1300-01	.1420	545.2
101	4.0000	. 75000	70.00	.1000-02	.8000-03	.1100-02	.3829-04	.3184-04	40-8754.	.2300-01	.2610	546.0
101	4.0000	.80000	75 000	.8000-03	.7000-03	.9000-03	.3113-04	.2571-04	.3479-04	10-0061.	. 2290	548.0
ĩ 0:	4.0r00	.87500	000 - 7	.1400-02	. 1200-02	.1600-02	.5667-04	.4680-04	.6336-04	.3500-01	.4520	548.9
101	4.000C	00006.	78 000	. 1600-02	.1300-02	. 1800-02	.0280-04	-5184-04	.7021-74	.3899-91	. 4950	7.615
101	4 . 0 000	. 92500	79.00	.1500-02	. 1200-02	.1700-02	.5897-04	+0-698h.	.6593-34	10-009£	0444.	549.2
101	7.000€	. 95000	90.000	.5200-02	50-C054.	.5900-02	.2047-03	.1690-03	. 2289-03	. 1250	1.464	552.7

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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATE 07	DATE 07 OCT 75		0H-74 (AEDC	04-74 (AEDC V418-88A) HEATING DATA ON CABITER FUSELAGE PORT SIDE	HEATING (DATA ON CHE	BITER FUSEL	AGE PORT 9	305			PAGE 82
				0H-74 (AE)C V418-B"	N B62C12F	04-74 (AEDC V418-87A) BG2C12F10M16H127E52V8R19	\$2V8R19				(RY8001)
ORB11ER	ORBLIER FUSEL AGE		-					PARAME	PARAMETRIC DATA			
					BETA	.0000	MACH	8.000	ELEVON .	0000	PUDDER .	. 0000
					••• TES	**************************************						
RUN	МАСН	ALPHA DEG.	P0 P512	TO DEG. R	PH: DE6.	YAW DEG.	1 DEG. R	P PSIA	O PSIA	V FT/SEC	RHO SLUGS	MU LB-SEC
102	7.980	34.89	547.4	1290.	180.0	0000.	93.90	.5700-01	2.540	3789.	/FT3 .5091-04	/F?2 .7561-07
RUN NUMBER 102	9N/L X10 E /FT 2.551	HPEF BTU/ R FT2SEC .3909-01	STN NO R= .0175									
					•	**************************************	:					
8	TRACE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HITAM	1000	DTMDT	
MUMBER				R=0.9	R. 1.0	R=TAX	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DE6. R
1.02	1.0000	.27500	1.9000	1490-01	.1230-01	.1660-01	. 5824-03	+ 125EC	.6538-03	3570	3.696	547.5
305	1.0000	.30000	2.0000 2.0000	340-01	.1:10-01	10-0051	.5245-03	.4334-03	.5861-03	.3220	3.410	547.2
501 501	000001	. 35500 . 35000	3.0000 4.0000	10-0511.	50-00-6 1050-01	1310-01	.4559-03 .4957-03	.3777-03	.5:05-63	.3053	2.880 ₹.158	546.E
: 32	1 0300	.37500	5 0000	1830-01	1520-01	.2050-01	.7 72-03	.5927-03	.8015-03	0055	4.620	547.1
3 3 3	1.0000	30.33¢ +	2 CC CC CC CC CC CC CC CC CC CC CC CC CC	. 1520-01	10-022.	1790-01	62 1-03	.5162-03	6982-03	3830	3.966	5.7.40
5	6000 F	45030	9.0000	.2113-01	1240-01	.2350-0.		.6806-03	.9205-03	5050	5.:55	547.5
લ હ	1,0000	, 47590 , 50,000	0000.6 18.800	18-02-01	.2:50-01	10-0162.	730 - 03	.6039-03	.1137-02	.6233 14490	5 326 4,537	547.7
: č:	0000	, 175. 175. 175.	0 0	53c2-01	10-03-2	3243-01	_	.9370-63	-59 - 652	6950	910.	548.6
51	50	55553		2840-01	.2359-01	13-0212	.1110-02	.9167-03	12+0-02	.6800	6.839	5.8.2
5. 5.	0000	00000	000 C M +	12-0715.	1790-01	2430-01	.8492-03	. 7481-03	50-5646.	5800 5850	5.257 5 609	548.4 548.1
1 5	0000) ()) ()) (8900-05	20-02-6	. 3900-02	3478-03	.2975-03	.3885-03	3712.	5.389	5.6.0
56.	C000 4	50001	(33.61	50-0075.	2303-05	.3009-02	.:067-03	.64.9-04	::135-03	5500-01	C+99	545.8
65:	0	00		5600-05	20-0022	-0062	. 029-03	40-50GB.	.:150-03	.6300-01	6 to 2	. O. O. O. O. O. O. O. O. O. O. O. O. O.
ر (295.00		1553-01	15-082:	1730-01	.6051-C3	1699-03	6773-03	.3710	34C 4	
٠. م لا	מיני מיני מיני	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	000 52	10-01 5 0	10-0612	10-0502	1026-02	8558-03	.1158-02		7.457	5,48.9
i Či	2000 2) ()) ()) ()) ()		. 2365-01	.1950-01	.2639-91	.9206-93	7603-03	1029-02	5530	6 590	2 679
0,01	6900 8	0000		. 6-393-91	10-0861	,2580-01	.9362-03	.7733-03	.1046-02	.5740	6.375	5+8.3

DATE 07	7 001 75		0H-74 (AED)	04-74 (AEDC V418-88A)		DATA ON OR	HEATING DATA ON ORBITER FUSELAGE PORT	LAGE PORT	SIDE			PAGE 83
				0H-74 (AE	DC V418-88	A) BG2C12F	04-74 (AEDC V418-88A) BG2C12F10M16W127E52V8R19	52VBR19				(RVB001)
R C R	TRA. E	x/L	T/C NO	H/HREF	H/HREF	H/HREF	н(910)	H(10)	H(TAH)	000 1	DTWDT	ī
NUMBER				R•0.9	R=1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
201	2.0000	53000	23.000	10.0859	10-0261	2550-01	712550	7691-01	FT25EC	F125EC	/SEC	0 1
105	0000	.56700	24.000	10-0-01	10-0-21	1720-01	80-03	E0-5764	8728-01	000	900	1.7.1
102	2.r 300	.62000	25.000	1179-01	.9600-02	.1300-01	.4555-03	3765-03	.5090-03	. 2800	3.037	546.7
102	2. JOOC	.67200	26.000	:28cc-03	50-008×.	.6400-02	.2248-03	. 1859-03	.2511-03	.1380	1.504	545.1
1 02	≥.0000	. 70500	27.000	.3600-02	.3000-02	€0-00 0%	.1414-03	.1169-03	.1579-03	10-0018.	.9370	544.8
105	€.0000	.75000	28.000	.1703-02	20-00+1.	.1900-02	.6560-04	.5425-04	.7326-04	10-0004	0474	544.5
102	2.0000	. 80000	29.000	.1900-0 2	.1600-02	.2200-02	.7567-04	.6256-04	.8453-04	10-0074	.5130	545.4
305	2 .3000	. 824 30	30.709	.6000-03	5000-03	.6000- 03	.2212-04	. 1828-04	.2471-04	1400-01	. 1890	545.8
105	3.0000	.20000	31,000	.3175-01	.2620-01	.3550-01	. 1240-02	. 1023-02	.1388-02	. 7540	7.965	553.3
102	3.0000	. 22500	32.000	10-0192	10-0022.	10-0862.	.1043-02	.8604-03	.1166-02	.6350	7.074	552.+
105		. 25000	33.000	10-0802.	10-0241.	.2330-01	.8140-03	.6721-03	.9100-03	0.64.	5.553	549.9
105	3 0000	.27500	₩.030	.:670-01	.1380-01	1863-01	.6516-03	.5383-03	. 7282-03	.3990	4.773	548.1
105	3.0000	.30000	35.000	.1340-01	1110-01	.1500-01	.5245-03	.4334-03	.5860-03	. 3220	3.981	546.3
102		. 32500	36.300	19-0261.	10-0891.	.2210-01	.7117-03	.6376-03	.8624-03	.4730	5.541	547.5
102	3 0co	35000	37.000	. 2950-01	. 2440-01	.3300-01	.1154-02	.9529-03	. 1299-02	.7060	8:1:8	5+8.7
102		37500	38.900	.2840-01	.2340-01	.3170-01	.1109-02	.9156-03	.1240-02	.5780	7.928	549.5
102		0000	39.000	10-0661.	1640-01	. 2220-01	.7775-03	.6425-03	.8688-03	6774.	5.616	547.0
102	3 0000	00524.	43,000	.3255-01	.2690-01	.3540-01	. 1274-02	.1052-02	.1424-02	0877.	9.188	550.4
102	3.0000	00054.	41.000	.2380-01	.:950-01	. 2650-01	.9286-03	. 7672-03	.1038-02	. 5690	6.489	548.1
102	3.0000	00474.		10-0522.	10-0981	.2520-01	. 8805-03	.7274-03	.9841-03	.5390	5 995	548.3
105	3.0000	.50000		10-0161	10-08511	.2130-01	. 7457-03	.6162-03	.8333-03	. 458C	5.089	547.4
102	3.0039	. 52503	C05 44	:0-262:	6900- 05	.1180-01	.4140-03	.3423-03	.4625-03	. 2555	2.983	5+6.0
102	3 6000	.55000	45,000	88.0-038.	7400-05	100001.	.3482-03	. 2879-03	.3890-03	.2143	2.385	545.5
: 05	3.0000	.60000	±6.000	5900-05	20-008h.	-6400-05	. 2253-03	.1863-03	.2516-03	.1390	1.538	544.9
102	3.0000	000 9 91	47 300	.3900-02	. 3200-02	-4300-05	.1501-03	. 1241-03	::677-03	.9300-01	0186.	544.8
102	3.0000	0000	48.000	.:500-02	.1300-02	-1700-02	.5958-04	+0-75 6 4.	.6653-04	.3700-01	.4050	544.3
102	3.0000	.7500	49.303	50-CO+1.	. 1200-02	.1630-02	. 5662-04	. 46 8 2-04	.6323-04	.3500-01	.3790	544.6
102	3.0000	80008	20 060	. 1000-03	. ecco-03	.1100-02	.3727-04	3082-04	70-191h.	10-0022	.2460	545.5
102	3.0000	. 85073	51.36.	50-3021.	20-0001.	50-005'.	+520-04	. 3735-04	5051-04	.2803-01	. 34 30	547.4
102	3.0000	.87509	52 00c	.1000-02	£0-0008'	.1100-02	.3907-04	. 3227-04	. 4366-04	. 2403-01	. 2960	548.0
102	3.0003	60006.	53.000	50-0511.	£0-000ē.	-1203-021.	.4329-04	.3575-04	. 4838-04	.2709-01	.3690	0.40 1.1
201	3.0000	. 92553	54.000	50-00-11	. 1230-02	.1600-02	. 5551-04	.4585-04	.6205-04	.3403-01	0111.	948.9
₹01		. 95000	55.000	2100-05	.1700-02	-00 -0 2.	+0-0+2B.	.6836-04	.9211-64	.5000-01	. 5293	548.9
201	0000 *	0000M	71.063	. 3590-01	. 2953-31	.4023-03	.1403-02	1157-02	.1579-02	.8+@3	9.643	555.8
102		22525	72.003	2530-0:	.2176-01	.2950-01	. 1029-02	.8492-03	.1152-02	.6263	7.334	553. 1
102	0000	.25003	73 000	.2100-31	.173 01	.2350-0:	.8211-03	.6778-03	.918:-03	5010	5.857	550.6
102		02575.	74.000	10-00-21	.1980-01	.2680-01	.9374-03	.7738-03	.1048-02	.5720	7.054	550.9
102	3000 *	30005	55.000	10-0-22	10-0961.	.2550-01	. 9256-03	.7643-03	.1035-02	.5550	7.395	549.6
102	4.000C	32500	57.030	. 3230-01	. 2550-01	.3510-01	. 1261-02	-1041-05	-1411-02	.7693	10.04	55:.5
102	₹ .000ñ	35000	59,000	10-0622	10-0681	.2560-91	. 8955-03	.7394-03	-1001-	.5473	7.:50	5.6+6
102	0000	3.500	59.000	10-0612.	10-0181	.2440-01	.8544-03	.7056-03	.9551-03	.5230	6 832	5,6,5
105		00007.	60.000	19-049:	.1350-01	. 939-01	.6393-03	.5292-03	.7145-03	.3920	5.128	ທະາ.ຄ
102	. 000C	.42500	61.000	.9533-02	50-0064.	. 1070-01	.3741-03	.3092-03	.4179-03	.2300	3.009	545.4

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DATE 07 OCT	7 001 75		OH-74 (AEDC V418-88A)	V41B-B8A)		ATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT		SIDE			PAGE	£
				OH-74 (AEC	04-74 (AEDC V418-88A) BG2C12F10M16W127E52VBR19	N 862C12F1	:0M16W127EE	52VBR19				(RVBC01)	:
Ş	TRATE	x/Ł	1/C NO	H/HREF	H/HREF	H/HREF	н(910)	н(10)	H(TAM)	1000	DTMOT	ጀ	
ACHBER R				R-0.9	% 	R-TAH	BTU/ R FT2SEC	BTU/ R FT2SEC	BTU/ R FT2SEC	BTU/ FT2SEC	DEG. R /SEC	DEG. R	
501	¥.0000	.45000	62.000	.6600-02	5400-05	-00 N.	.2577-03	.2130-03	.2879-03	. 1590	2.052	545.6	
102	¢.0000	.47500	63.000	.5500-02	-4e00-05	. 6200-02	.2156-03	.1782-03	.2408-03	.1330	1.687	545.7	
102	4.1300	. 50000	64.000	-4-0054.	.3500-02	-4700-05	.1646-03	.1361-03	. 1839-03	0101.	1.254	5,42.2	
102	4.3000	. 52500	65.000	.3900-02	. 3200-02	.4300-02	.1521-03	.1257-03	. 1699-03	.9×00-01	1.158	545.3	
102	¥.0000	. 55000	66.000	. 2900-02	.2400-02	.3300-02	.1150-03	.9509-04	. 1285-03	.7100-01	.8300	545.4	
: 02	4.0000	.60000	67.000	.1700-02	. 1400-02	. 1900-02	.6578-04	.5439-04	.7347-0.	10014.	.4560	545.0	
102	4.0000	.65000	69.000	.9000-03	.8000-03	.1000-02	.3606-04	. 2982-04	+0-3204	.2200-01	.2500	545.2	
102	₹.0000	.70000	69.000	.7000-03	.6000-03	.8000-03	.2872-04	.2374-04	.3209-04	1800-01	.1970	545.9	
102	۴.0000	.75000	70.000	.7000-03	.6000-03	.8000-03	.2839-04	.2347-04	.3171-04	1700-01	0461.	545.6	
105	4.0000	.80000	75.000	.5000-03	£6-000h.	.6000-03	.2104-04	+0-6271.	.2351-04	1300-01	.1550	547.5	
102	4.0000	.85000	7 6.0 00	.6000-03	.5000-03	.6000-03	.2215-04	.1831-04	.2475-04	.1400-01	.1610	546.9	
501	٠, 0000	.87500	77.000	.1100-02	.9000-03	. 1200-32	.4105-04	.3392-04	.4588-04	.2500-01	. 3290	548.1	
: OS	4.9000	.9000	78.000	.1100-02	. 9000-03	. 1200-02	4153-04	.3430-04	40-5494.	.2500-01	. 3290	549.6	
102	4.0000	. 92500	79.000	. 1800-02	.1500-02	-2000-05	.6956-04	.5746-04	.7775-04	10-0054.	.5260	548.6	
102	۴.0000	.95000	80.000	.3000-02	-2400-05	.3300-02	.1154-03	.9531-04	. 1290-03	.7100-01	.8250	545.5	

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ORB11ER	ORBITER FUSE, AGE			OH-74 (AE))C V418-B8/	A) B62C12F	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	SZVBR19 PARAM				(RVB0C1)
ORBITER -	FUSE, AGE							MAGAG				
<u>.</u>								- Maria	PARAMETRIC DATA			
4					BETA	. 0000	МАСН	8.000	ELEVON .	0000.	KUDDER .	0000.
					1531 • • •	***TEST CONDITIONS***	iS•••					
NUMBER	MACH	ALPHA DEG.	9. A124	T0 DEG. R	PH1 0£6.	YAW DEG.	↑ DEG. R	PS ¥	PS 0	V FT/SEC	St. U65	MU LB-SEC
103	7.980	39.93	547 5	1297.	180.0	0000.	04.46	.5700-01	P.5¥1	3800.	.5064-04	.7602-07
RUN NUMBER	RN/L X10 6 FT	HREF BTU/ R FT2SEC	SIN NO R* . 0175									
					:	**************************************	•					
į		:		0	LUG TO	a de la companya de l	2010	Š	1347.7	Ī	TOTTO	2
	THACE	XV), - - -	R*0.9	ייייייי איניי	R-TAW	BTU/R	BTU/ R	BTU/ R	910	7EG. R	DEG. R
5) ;	:		FT2SEC	FTPSEC	FT2SEC	FTPSEC	/SEC	
103	1.0000	.27500	1.0000	.15-0-01	.1240-0;	.1680-01	.5877-03	.4861-03	.5562-03	. 3650	3.776	5,6,5
103	1.0000	30000	2.0000	10-0621.	10-0701.	1440-01	.5061-03	.4187-03	651-03	04:5:	3.331	ກູ້ວ່າ ທີ່ຄື
103	1.0000	.32500	3.0000	.1190-01	50-0066	1330-01	.4658-03	.3854-03	520U-03	0000	יי מיי מיי	ייים קיינים קיינים
103	1.0000	35000	ر 10000 م 10000	10-0:41	15-05-01	2080-01	.7303-03	50-1-69.	.8154-03	0454.	4.763	545.0
103	1.0000	00007	6.0000	1760-01	1460-01	10-0201.	.6891-03	57-0072.	.7695-03	.4280	4.388	5.46.4
103	1.0000	0.4254.	7.0000	1810-01	.1500-01	.2020-01	.7095-03	. 5869-03	.7923-63	0055.	£.558	546.6
103	1.3000	. 45000	8.0000	.28:0-01	. 2320-01	.3140-01	.1100-02	.9095-03	. 1229-02	.6810	6.943	3 C C C C C C C C C C C C C C C C C C C
103	1.0000	00574.	9.000	10-04:5.	10-0771.	.2390-01	.8374-63	.6924-03	50-5055.	19.10°	5.706	טילי. מיליוני
9 6	20.00	. 335.C.	000	10-0:05	25.30-03	3430-01	. 1200-62	5918-03	1340-02	7420	7.496	548.9
n M		00000	000.	.2543-01	:0-06:2	.2950-01	1035-02	.8555-03	.1155-02	6413	6.417	548.0
103	1.8033	00004.	13.000	10-0-22	10-0861.	.2670-01	.9350-03	.7737-03	-1046-02	.5790	5.848	548.9
. m	1.0003	.65000	000.71	10-0534	. Bessa-02	10-061;	≥0-9514°	.3438-03	.4641-03	. 2530	2.610	546.5
103	1.0000	00001	15.000	36 0-02	. 2500-02	. 3600-02	.1246 3	. 1031-03	.1391-03	.7800-01	5757.	545.3
103	1 5000	7,000	16.333	3100-05	.2600-02	.3500-02	.1214-03	.1005-03	.1355-03	.7600-01	.7650	0,14,0
	1.00.0	000C8	17,000	2300-05	20-006.	.2520-02	40-51C6	.7455-04	.:008-03	5639-01	.5420	545.7
	2 0300	2955	: 8 :	1,530-01	1546-01	10-0-91.	.5956-03	.4851-03	.6500-03	.3640	4.260	1 1 1
	2 3000	3770		10-65-51	10-0251.	. 2260-0:	.7910-03	. 5541-03	.8833-03	0067	5.72	ייין ני ניי
		3006£		1553-01	. 1620-01	.2180-91	.7642-03	.6321-03	.8535-03	0.47.4.0	5.580	547.0 Ruo n
103		0000V a		.3510-01	.2909-01	13950-01	50-4/51.	20-05/1.	50-0501.	ch ca	1. uc. r	
	2000 2	1900	Se 010	.2873-01	10-3.52.	ان - با محق .	20-42:1.	50-:605.	30-0C31.	, h b	, , , ,	n .

DATE 0	07 OCT 75		0H-74 (AEDC	0H-74 (AEDC V418-88A)	HEATING C	ATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT	AGE PORT S	30'S			PAGE 86
				OH-74 (AEC	C V418-98A	1) BG2C12F1	04-74 (AEDC V418-98A) BG2C12F10M16W127E52VBR19	2V8R19				(RVB001)
Ş	TRANE	x/L	1/5 13	H/HREF	H/HREF	H/HREF	H(910)	HC 70)	H(TAM)	1000	DTWDT	¥
NUMBER				R=0.9	R=1.0	R-TAH	BTU/ R	BTU/ R	8TU/ R	910/	DE6. A	DEG. R
							FT2SEC	FTZSEC	FT2SEC	FTZSEC	3 3 5/	i •
103	2.0000	. 53000	23.000	1870-01	.1540-01	2090-01	7311-03	.6044-03	.8166-03	.4530	5.0.5	548.3
103	9.0000	52000	25.000	10-00-12	50-00ec	8000-02	50-0875	2308-03	3115-03	1730	1.881	546.2
501	2000	67000	26,000	.3300-02	.2700-02	.3700-02	.1300-03	.1076-03	. 1451-03	.8100-01	.878n	545.1
103	2.000 2.000	.70500	27,000	-0-0012.	. 1800-02	S400-05	.8307-04	.6876-04	.9272-04	5200-01	.5570	544.2
103	2.0000	. 5000	28.000	. 3000-02	.2500-02	.3400-02	.1192-03	.9866-04	. 1351-03	.7400-01	.8150	544.3
103	2.0000	.80000	29.300	. 2200-02	1800-05	.2520-02	.8636-04	17147-04	40-0496 .	.5400-01	. 5930	544.8
.03	≥.0000	.82460	30.000	.5000-03	.4000-03	.5000-03	· 1842-04	1524-04	.2056-04	1100-011.	. 1590	545.5
103	3.0000	. 20000	31.000	. 3260-01	.2690-01	. 3650-01	. 1276-02	.1054-02	.1426-02	.7850	8.299	551.8
103	3.0000		32.000	10-0992	.2200-01	.2970-01	1041-05	.8599-03	.1163-02	.6410	7.155	551.1
103	3.0000	. 25 JO	33.000	.2060-01	1700-01	.2300-01	.8064-03	.6666-03	.9008-03	0664.	5.572	548.7
103	3.0000	.27500	34.000	1550-01	. 1280-01	.1730-0:	.6058-03	.5011-03	.6766-03	.3760	4.495	546.9
103	3.0000	.30009	35.000	10-0941.	. 1290-01	1740-01	.6197-03	.5044-03	.6639-03	.3790	4.681	546.3
103	3.0000	.32500	36.000	. 2720-01	.2250-01	3040-01	.1065-02	.8806-03	.1190-02	.6590	217.7	546.2
103	3.0000	.35000	37.000	.2780-01	.2300-01	.3110-01	.1088-02	.8998-03	. 1216-02	.5730	7.797	548.5
103	3.0000	.37500	38.000	.2170-01	10-0081	. 2430-01	.8501-03	.7030-03	.9493-03	.5270	6.171	547.2
103	3.0000	. 4 0000	39.000	. 2780-01	.2300-01	.3100-01	.1087-02	.8985-03	. 1214-02	.6730	7.915	348.1
103	3.0000	.42500	40.000	.2640-01	.2:80-01	. 2950-01	.1035-02	.8550-03	.1156-02	.6390	7.548	549.8
103	3.0000	C0054.	41.000	.2280-01	1890-01	. 2550-01	. 8936-03	.7390-03	.9980-03	.5540	6.317	547.5
103	3.0000	.47500	42.000	2030-01	.1690-01	. 2270-01	. 7935-03	.6563-03	.8863-03	0264.	5 472	547.2
103	3.0000	.50000	43.000	1380-01	1140-01	.1540-01	.5399-03	.4467-03	.6028-03	.3360	3.735	545.7
103	3.0000	.52500	44.000	-8300-05	.6900-02	.9300-02	.3262-03	.2699-03	.3641-03	. 2030	2.378	545.2
103	3.0000	.55000	45.000	.6900-02	.5700-02	50-0074.	.2714-03	.2246-03	.3030-03	.1690	978.	4. U + U
103	3.0000	. 60000	46.000	50-00£+.	.3500-02	<i>-</i> 0084.	. 1684-03	.1394-03	.1880-03	. 1050	1.139	544.5
103	3.0000	.65000	47.000	.2100-02	.1700-02	.2300-02	.8127-0¥	.6727-04	40-1206°	.5100-01	.5370	544.0
103	3.0000	.79009	48.000	. 2000-02	.1703-02	. 2300-02	.8017-04	.6636-04	.8947-04	.5000-01	.5510	544.0
103	3.0000	.75000	49.000	.2600-02	.2100-02	-5300 -05	.1014-03	.8395-04	.1132-03	.6300-01	.6870	4. 140
103	3.0000	.80000	50.000	.2500-02	-5100-0 5	. 2800-02	.9780-0¥	.8093-04	.1092-03	.6100-0:	.6520	54.6
103	3.0000	.85001	51.000	. 1500-02	.1300-02	.1700-02	. 6004-04	+0-L964.	.6705-04	10-0012	D:94.	545.6
103	3.0000	.87501	52.000	₹0-0081.	-1500-02	-0002	. 7046-04	-285.	. 78E9-04	10-0055	00.50	7. / · i
103	3.0000	. 90000	53.000	.2200-02	. 1800-02	50-00-2	.8573-04	+0-680L	9575-04	10-0055.	7380	0.8.c
.03	3.0000	. 92500	54.000	3700-02	3190-62	50-0014.	1453-03	. 1606-03	1004-03	. 9000e.		י ער מיז מיז מיז מיז מיז מיז מיז מיז מיז מיז
103	8	00056	55.000	20-0009.	20-0054	20-00/0.	50-0450.	60-666.	00-1103	2000	50.0	י של אל הי אל
103	ر ع	.20000	71.000	.3380-01	2790-01	. 3783-01	1561-02	.1090-02	50-//*!.	3608.	9 50 F 5	0.000 20.000 20.0000
103	٠ و.	. 22550	72.000	10-60/2	.2230-01	10-0205.	50-/501.	.B/2B-U3	.1186-06	Coco.	000.7	י ייים
103	4.0000	.25000	73.000	. 2350-01	10-0+61.	.2620-01	.9177-03	.758!-03	.1026-02	0555	9 000	1.100
103	4.0000	.27500	24.000	. 2650-01	.2190-01	. 2960-01	.1036-02	.8555-03	-1158-05	. 5390	7.800	4. lcc
103	٠, 0000	30000	56.000	. 2850-01	. 2350-01	.3180-01	- 111.	. 920:1-03	50-44-21.	0889.	900.6	י מילים ו
103	€.000.¥	. 32500	57.000	. 2650-01	.2190-01	. 2950-01	.1037-02	.857!-03	20-65: 1.	01.50	8.5/4	# . F . C
103	4.0000	.35000	58.000	.2300-01	10-0061	.2570-01	. 8987-03	.7458-03	- 1001 .	.5550	7.259	7.07F
103	4.0000	.37500	59,000	. 2430-01	.2010-01	.2710-01	. 9504-03	.7857-03	. 1062-02	0885.	7.687	548.7
:03	۴.0000	00004.	50.000	10-0821	.1060-01	. 1430-01	. 4998-03	.4135-03	5591-03	.3100	4.063	546.3
103	4.0000	30554.	61,000	-8100-05	.6700-02	-9100-05	.3:86-03	.2636-03	.3557-03	.:98¢	594	บาร์ เก

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PAGE 87 (RVB001) ទុស្ស ស្នេស ស្នេស ស្នេស ស្នេស ស្នេស ស្នេស ស្នេស ស្នេស ស្នេស ស្នេស ស្នេស ស្នេស ស្នេស ស្នេស ស្នេស ស្នេស ស្នេស ស្ .4500-01 .9600-01 H(TAM) BTU/ R FTESEC .2595-03 .1516-03 .1516-03 .3420-04 .3420-04 .5502-04 .7270-04 .8912-04 .1872-04 .1872-04 OH-TH TAEDC VAIB-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE DH-74 IAEDC V418-BBA) BG2C12F10M15M127E52VBR19 H(STO) BTU/ R FT2SEC .2317-03 .1838-03 .8016-04 .3064-04 .4660-04 .5512-04 .4717-04 .3948-04 .3948-04 .3948-04 .3948-03 .1101-03 H/HREF R-TAM .4900-08
.2900-02
.2300-02
.1700-02
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.1700-03
.1700-03 H/HREF R=1.0 . 4700-02 . 3300-02 . 2800-02 . 2000-02 . 1700-02 . 1700-02 . 1700-02 . 1003-02 . 1003-02 . 3300-02 H/HREF R=0.9 Ş 65.000 67.000 68.000 66.000 66.000 67.000 77.000 78.000 78.000 79.000 1,0 4,49000 9,47,500 9,5000 1,5000 1,70000 TRA'E 20 DATE 07 103 103 103 103 103 103 103 103 103

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DATE 07 OCT 75	OCT 75		OH-74 (AEDC V418-98A)	V418-98A)	HEATING D	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	ITER FUSEL	AGE PORT S	310€			PAGE 88
				OH-74 (AEC	C V41B-88A	OH-74 (AEDC V418-88A) BB2C12F1OH16W127E52V6R19	OM I GWI 27ES	32V8R19				(RVB001)
ORB) TER	ORBITER FUSE, AGE							PARAME	PARAMETRIC DATA			
					BETA	.0000	НАСН	8.000	ELEVON .	0000.	RUDDER .	.0000
					•••1ES1	***TEST COMDITIONS***	δ. •					
RUN	MACH	ALPHA DEG.	PO PSIA	10 DEG. R	7±1 0£6.	YAH DEG.	1 0€6. R	PSIA	PSIA	V FT/SEC	SLUGS	HU LB-SEC
2	7.980	43.90	547.0	1303.	180.0	0000.	9 6.30	10-0075.	2.538	3908.	.5036-04	.7637-07
RUN	RN/L X10 6	HREF BTU/ R FT2SEC	STN NO									
5	2.511	. 3914-01	.2551-01									
					•	***TEST DATA***	:					
Ş	TRACE	x/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HCTAW	D00	DTMD1	
NUMBER				R=0.9	R=1.0	R=TAH	BTU/ R	BTU/ R	BTU/ R	BTU/ FTPSFC	DEG. R	DEG. R
2	0000	27500	1.0000	1500-01	1240-01	.1670-01	.5856-03	.4848-03	.6536-03	.3670	3.795	546.5
<u> </u>	1.0000	30000	2.0000	1310-01	10-0601	1460-01	.5134-03	.4250-03	.5730-03	.3220	3.408	5.6.2
ž (0000.1	. 32500	3.0000	1380-01	1150-01	1540-01	.5416-03	50-3877. 5475-03	.8730-03	0345	5.073	945.4 946.8
<u>.</u>	1.0000	35000	5.0000	1750-01	10-0241.	. 1950-01	. 6852-03	.5673-03	.7647-03	.4300	1.0.1	545.8
±0.	1.0000	40000	6.0000	10-0571.	. 1450-01	1960-01	.6858-03	.5678-03	. 7654-03	. 5660	4.411 5.857	545.7
<u> </u>	1.0000	200054.	9.0000	10-0153.	.2150-01	.2890-01	.1015-02	.8401-03	.1133-02	.6350	6.478	547.2
3	1.0000	.47500	9.0000	1980-01	. 1650-01	.2220-01	.7785-03	.6444-03	.8589-03	0,184.	4.952	545.6
<u>.</u>	0000-1	.50007	10.000	3050-01	.2540-01	3500-01	. 1228-02	.1016-02	.1371-02	. 7670	7.750	543.0
2. 2	1.0000	. 55000	12.000	2-70-01	.2130-01	.2870-01	50-7001.	.8334-03	.1124-02	.6300	6.316	54.5.7
20.2	1.0000	.60090	13.000	1780-01	10-0241	10-0661.	.6969-03	.5768-03	.0-9777	.4360	6.410	545.9
3 0.	1.0000	.65330	000.41	.5500-02	50-0054.	.6203-02	.2151-03	.1790-03	.2411-03	.1350	3 / 3 4 RP I	יייים הייים הייים
<u> </u>	1.0000	70000	15.000	50-002.	30-0071.	500-02	1822-03	-0-90cc.	.2032-03	0711	1.158	544.6
5 5	1.0000	. 80000	17.000	.3300-02	20-0075.	.3700-02	.1290-03	.1068-03	.1440-03	.8:00-01	. 78*0	544.8
2	2.0000	.28530	18.000	.1550-01	1280-01	.1730-01	.6050-03	. 5007-03	.6753-03	.3790	4,430	546.9
5	≥.0000	.33700	19.000	.2580-01	.2140-01	. 2880.	50-1101.	.8361-03	.1128-02	.6310	7.425	
2	2.0000	39000	20.000	.2200-01	1820-01	2460-01	.8615-03	. 7151-03	50-0196.	. 5540	10.50	9,63.0
<u>.</u> .	≥.0000 ≥.c000	.42600 .47800	22.000	.3260-01	2700-01	3640-01	. 1277-02	. 1057-02	. 1425-02	.7980	9.876	547.5
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DATE 07	7 001 75		0H-74 (AED)	0H-74 (AEDC V419-B8A)		DATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT		3015			PAGE 89
				OH-74 (AE	04-74 (AEDC V418-88A) B62C12F10M16W127E52V8R19	1) B62C12F1	.OM16W127ES	2V8R19				(RVB001)
Ş	TRAVE	x/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	HI TO)	HCTAN	abot	DTHOT	
NUMBER				R=0.9	R=1.0	R=TAW	BTU/ R FT25EC	BTU/ R FT2SEC	BTU/ R F12SEC	BTU/ FT2SEC	0EG. R /SEC	0EG. R
5	2.0000	.53000	23.000	.1529-01	. 1260-01	1690-01	.5938-03	.4915-03	.6627-03	.3720	4.139	5-6.3
50	2.0000	.56700	24.000	.1050-01	. 8800-02	10-0811.	.4142-03	.3429-03	.4622-03	.2600	2.855	545.3
<u></u>	2.5.000	.62000	25.000	5300-05 5 .	50-00hh.	.6000-02	.2092-03	.1733-03	.2334-03	.1310	1.428	544.6
5	2.3000	.67000	26.000	50-0012.	.1700-02	.2300-02	.8172-04	·6770-04	.9116-04	.5100-01	.5590	543.8
104	2.0000	.70500	27.000	50-0075.	.2300-02	. 3000-02	.1064-03	.8815-04	.1187-03	.6700-01	.7210	543.5
5	2.0000	.75000	28.000	-4000 h.	. 3300-02	20-0044.	1054-03	1287-03	1755-03	10-0085	70.1	145.4
<u>5</u>	2.0000	. 80000	29.000	.3300-02	200-02	.3600-02	7606.03	.0054-03	. 1420-03	10-0008	0299.	D44.3
<u> </u>	2.0000	.82490	30.000	50-0006.	. 8000-03	20-001.	*0-0005.	+0-0552.	40-6-4-	7880	0010. 895 R	n 01.
5 6	3.0000		31.000	ים-טישע	10-0814	10-07-07	1034-02	8551-03	1155-02	.6430	7.173	951.0
5 6	2000	טייין.	33.000	10-0112	1740-01	.2350-01	.8243-03	.6819-03	.9204-03	5140	5,743	80.67
5	3.0000	.27500	34,000	1700-01	1410-01	10-0061.	.6667-03	.5518-03	.7441-03	.4170	۴.989	, ' , ',
5	3.0000	30000	35.000	10-0261.	1630-01	.2200-01	.7705-03	.6378-03	.8600-03	.4820	5.963	546.6
10+	3.0000	.32500	36.000	. 28°J-01	.2390-01	.3220-01	.1130-02	.9350-03	. 1261-02	.7070	8.273	547.2
2	3.0000	.35000	37.000	10-05+2	10-0202	10-0462.	.9597-03	.7942-03	. 1071-02	. 6000	6.955	547.0
50	3.0000	.37500	38.000	.2460-01	.2040-01	.2740-01	. 9625-03	.7967-03	1074-02	.6020	7.053	346.0
\$0.	3.0000	00004	39.000	10-0162.	10-00+2.	.3240-01	.1137-02	.9413-03	. 1269-02	.7120	8.387	546.3
9	3.0000	. 42500	46.000	.2720-01	. 2250-01	3040-61	.1066-02	.6819-03	.1193-02	0999	7.871	548.2
÷0:	3.0000	. 45000	41.000	. 2380-01	10-0261.	.2660-91	.9313-03	.7709-03	-0-6501.	.5830	6.657	546.3 g. n
<u>.</u>	3.0000	C0574.	₹5.000	.1650-01	.1370-01	. 1840-01	.6465-03	.5354-03	.7215-03	3904.	٠,5; ٠	7. O
10	3.0000	.50000	43.000	£0-00¢6.	. 7400-32	10-00011	. 3504-03	. 2902-03	. 3909-03	. 2200	±21.0	57.0 1 1 1 0
2 01	3.0000	.52500	44.000	. 5500-02	20-00+₽.	.7300-02	. 2563-03	.2:23-03	. 2850-03	. 1610	068.1	543.9
5	3.0000	.55000	45.000	.5500-02	50-0054.	.6100-02	.2146-03	1778-03	20-4655. 20-4655.	. מכנו.	1.100	345.7 Ft.3 t
2	3.0000	. 60000	46.000	3100-02	.2600-02	3500-05	1224-03	1014-03	1365-03	10-00//	ט יכט.	140.4 10.00
<u>.</u>	3.0030	.55030	47.030	50-0005.	1700-02	20-0022.	#0-29a.	אט-אוכם.	10-6000	10-0006	י ממני	0 - M - M - M - M - M - M - M - M - M -
5 5	3.0000	75000	000.00	50-0045.	50-0085	3800-02	1331-03	1103-03	1485-03	10-00-8	9100	0.540
1 0	3.0000	66008	50.000	50-0052.	1900-02	.2600-02	. 9077-C4	.7518-04	.1013-03	.5700-01	.6110	544.3
5	3.0000	.85000	51,000	50-0081.	.:500-02	50-0002.	1074-04	.5858-04	.7895-04	10-0044.	.5+83	545.1
9	3.0000	.87501	52.000	. 2200-02	.1830-02	50-00-2	.8533-04	.7053-04	. 9525-04	.5300-01	. 6600	546.9
20.	3.0000	00006,	53.000	.3100-02	. 2 600- 0 2	.3500-02	.1231-03	.1019-03	.1375-03	10-0011	1.079	547.1
2	3.0000	.92500	54.000	.~500-02°.	.3700-02	.5000-02	.1744-03	.1443-03	.1947-03	6501.	1. £2£	7.83.4
2	3.0000	.95000	55.000	.5:00-02	50-0024.	.5600-02	.1979-03	1638-03	.2210-03	. 1240	- 24g	548.2
5	٠, 0090	20000	71.000	3340-01	.2760-01	3743-01	. 1309-02	20-0801.	1462-02	9808.	9.182	ש. אנה ח ה ניחח
104	¥.0000	. 22500	72.000	10-0480	. 2350-01	3180-01	.1113-02	.9201-03	20-4421.	0169.	1 G	0.500
<u>.</u>	4.0000	. 25000	73.000	.2580-01	.2210-01	10-0662.	. 1049-02	.8670-03	50-5711.	0100	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.100
2	r. 0000	.27500	74.000	10-0775.	. 2299-01	30-0638.	-1083-02	50-1558.	20-6:21	9 6	0.000	0.000
<u>5</u>	4,0000	. 30033	56.000	.3265-01	.2693-01	.3640-01	50-4/51.	20-4601.	50-8:41.		: U : 50	540.3
₹	4.0009	.32500	57.000	.2560-01	.2120-31	. 2950-01	1002-02	.8297-03	20-6111.	00,00	0.1.0	
<u>5</u>	4.00CJ	.35000	58.000	.25:0-0!	. 2080-C1	.2800-0:	.9830-03	.8131-03	20-8601.	.5130	8.014 010	1 . n . n . n . n . n . n . n . n . n .
<u>.</u>	4 . 00C0	.37500	59.000	.2250-01	1820-01	.2469-01	.8526-03	.7138-03	.9629-03	. 2389	950.7	7. / T
2	4.0000	06004.	60.330	1120-01	-9300-02	10-0521.	.4396-03	. 3640-03	CO-COSA.	780	3.016	7 C 34
₹ 0	٠. 0000	. 4250g	61.990	.7100-02	. 5900-02	. 7930-02	.6/84-03	. < 304-03	50-5016.	3	C . E . D	2

いいませい ひとう はいかい かんしょう かいくさい 会に入れている しゅうしゅう しゅうしゅう しゅうしんじょう 人名 ないしんじょう しまく

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DATE 07	DATE 07 C.T 75		0H-74 (AEDC V418-88A)	V418-88A1		ATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT	AGE PORT S	SIDE			PAGE 90
				OH-74 (AEE	04-74 (AEDC V418-88A) 862C12F10H16H127E52V8R19	N BEZCIZE	OMIGWIZTER	\$2V8R19				(RVB001)
Ş	TRANE	x۱۲	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAK)	1000 T	DTMOT	7
NUMBER				R=0.9	R-1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FTSSEC	FT2SEC	/SEC	
3 0-	۴.0000	.45000	6 2.000	.5300-02	-4400-05	.5900-02	.2078-03	. 1721-03	.2318-03	1310	1.693	543.8
<u>6</u>	₩.0000	.47500	63.000	.3800-32	. 3200-02	.4300-02	.1499-03	. 1242-03	. 1672-03	10-00%	1.201	543.4
104	4. r.300	.50000	64.000	. 2800-02	. 2300-02	3100-05	.1103-03	+0-0+16 .	. 1231-03	10-0069.	.8600	543.4
<u>\$</u>	٠. ٥٥٥٥	.52500	65.000	. 2000-02	. 1700-02	.2300-02	.8010-04	.6636-04	.8935-04	.5000-01	.6240	543.3
<u>-</u>	4.0000	.55000	66.000	.1200-02	. 1000-02	. 1400-02	40-66L4.	.3976-04	.5353-04	.3000-01	.35+0	543.2
<u> </u>	4.0000	.60000	67.000	.B000-03	.6000-03	.9000-03	.3024-04	.2506-04	.3374-04	1900-01	0415.	543.3
<u>₹</u> 0	4.0000	.65000	68.000	.1400-02	.1100-02	.1500-02	.5339-04	.4423-04	.5957-04	.3400-01	. 3930	544.2
7 <u>0</u> 1	۴.0000	.7000	69.000	-20002.	. 1500-02	. 2200-02	.7792-04	.6454-04	.8693-04	10-0064.	.5460	544.
<u>.</u>	۴.0000	.75000	70.000	. 2900-02	.2400-02	. 3200-02	.1139-03	.9432-04	. 1271-03	10-0017.	. 7960	545.1
<u>, 0</u>	4.0000	. 80000	75.000	. 1200-02	.1000-02	.1300-02	40-1694.	.3883-04	.5235-04	.2900-01	.3540	548.2
104	¥.0000	.87500	77.000	.1300-02	.1109-02	.1400-02	40-1664°	+0-1214.	.557!-04	.3100-01	060h.	546 9
<u>70</u>	4.0000	00006.	78.000	.2600-r2	.2200-02	.3000-02	.1035-03	.8550-04	.1155-03	.6500-01	.8360	547.8
10	٠, 0000	. 92500	79.000	.4500-02	. 3700-02	.5000-02	.1743-03	.1442-03	.1946-03	.1090	1.343	548.7
2	4.0000	.95000	80.000	.5200-02	.4300-02	.5900-02	.2052-03	.1696-03	. 2293-03	. 1270	1.484	549.0

######################################			OH-74 (AE	DC V418-88/	0H-7% (AEDC V418-88A) 862C12F10M16W127E52V8R19	10M16W127E					00044
### PO 10 PHI YAM T P P 0 0 V P RHO PSIA FILASE CALOS CELEVON •		,					PARAM	ETRIC DATA			
FO TO PHI TAM TAM TO BE OF TO BE OF TO BE OF THE OF TAM TO BE OF TAM TO BE OF T				B€TA						RUDDER .	0000.
FOR TO PEIA DEG. REG. DEG. R PSIA PSIA FITSEC SLUGS. 673.0 1335179.7 .1000+00 97.00 .6900-01 3.106 38556014-04 FRAME RADIAN RANGE HAMRE HAMBE HITON HITON HITAMN GOOT DTADT 77C NO HAMRE HAMRE HAMBE HITON HITON HITAMN GOOT DTADT 8-0.9 R=1.0 R-1AH FITSEC FIRSEC				153	T CONDITIO	•••57					
## FR- C	ALPHA DEG.	P0 P51A	ο.	PH?	YAW DEG.	_	P PSIA	Q PS1A	V F7/SEC	RHO SLUGS	#C LE-SEC
FR. R. P. P. P. P. P. P. P. P. P. P. P. P. P.	20.03	673.0	1335.	-179.7	.1000+00	97.00	.6900-01	3.106	3855.	.6014-04	.7507-07
X/L T/C NO H/HREF H/HREF H(9TO) H(TO) H(TAM) GDOT DTHD; TK F725CC 1.0000 11340-01 1110-01 11990-01 5814-03 4831-03 6471-03 3820 3.412 584 7 1100-01 1130-01 11900-	HREF BTU/ R FT2SEC .+348-01	SIN NO R= .0175 .2341-01							1		
X/L T/C NO H/HREF H/HREF <td></td> <td></td> <td></td> <td>•</td> <td>TEST DATA.</td> <td>:</td> <td></td> <td></td> <td></td> <td></td> <td></td>				•	TEST DATA.	:					
F725CC F7	x/L	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R=TAH	H(910) 81U/ R	H(T0) BTU/ R	HITAM) BTU/ R	abot BTU/	DTMD? DEG. R	
27500 1,0000 11340-01 1110-01 11499-01 5814-03 48471-03 3.8600 3.9600 3,3000 2,0000 1,130-01 2,1000 1,130-01 2,1000 3,130-01 3,1000 <td< td=""><td>;</td><td></td><td>1</td><td>,</td><td>;</td><td>FT2SEC</td><td>FT2SEC</td><td>FTPSEC</td><td>FIRSEC</td><td>735/</td><td>r :</td></td<>	;		1	,	;	FT2SEC	FT2SEC	FTPSEC	FIRSEC	735/	r :
33500 3,0000 4,0000 7,00	. 30000	1.0000 2.0000	10-0511.	. 1110-01	10-0521.	£0-5564.	.4831-03	.5448-03	.3220	6.4.8 3.4.8	544.3
37500 5.0000 (8700-02 1200-02 1300-03 3143-03 1942-03 2490 2.615 4900 6.0000 (1090-01 1900-02 1100-01 4742-03 3942-03 5276-03 3120 3.207 49000 6.0000 (1090-01 1820-01 1640-01 4742-03 3942-03 5276-03 3120 3.207 49000 6.0000 (1470-01 1220-01 1640-01 6392-03 5314-03 7114-03 2490 5.0000 (1770-01 1470-01 1960-01 7575-03 5314-03 7114-03 2490 5.0000 (1770-01 1470-01 1960-01 7575-03 5314-03 7114-03 2490 5.0000 (1770-01 1470-01 1960-01 7575-03 5314-03 7709-03 4560 5.0000 (1770-01 1820-01 1820-01 1820-03 5896-03 7709-03 4560 5.0000 (1770-01 1860-01 1820-01 1820-03 5896-03 7709-03 4560 5.0000 (1770-01 1860-01 1820-01 1860-01 1992-03 5896-03 7709-03 4560 5.0000 (1770-01 1860-01 1860-01 1860-01 1992-03 5896-03 7709-03 4560 5.0000 (1770-01 1860-01 1860-01 1860-01 1992-03 1993-0	.32500	3.0000	-0055¢.	.7600-02	.1020-01	.4000-03	3326-03	.4452-03	. 2630 0555	2.705	9,575
49500 6,0000 ,1090-01 ,9100-02 ,939-02 ,9200-02 ,9100-02 ,1100-01 ,415-03 ,358-03 ,4802-03 ,2840 2,945 ,45500 9,0000 ,1147-01 ,1820-01 ,1640-01 ,435-03 ,4802-03 ,2840 2,945 ,45500 9,0000 ,11470-01 ,1800-01 ,7675-03 ,6543-03 ,5843-03 ,5840 5,128 ,5000 10,000 ,1350-01 ,1800-01 ,7695-03 ,6943-03 ,6940 ,6500 <td>.37500</td> <td>5.0000</td> <td>. 8793-02 - 8793-02</td> <td>.7200-02</td> <td>50-001.</td> <td>.3780-03</td> <td>.3143-03</td> <td>.4207-03</td> <td>5645.</td> <td>2.615</td> <td>543.3</td>	.37500	5.0000	. 8793-02 - 8793-02	.7200-02	50-001.	.3780-03	.3143-03	.4207-03	5645.	2.615	543.3
. 45500 7.0000 1.470-01 1.820-01 1.840-01 5.8588-03 4.8802-03 5.8840 5.9450 6.9	00004.	6.0000	:0-0601,	-9100-02	.1210-01	.4742-03	.3942-03	.5276-03	.3120	3.207	543.0
. 1700	. 42530 45000	روعو. د وروعو	50-0066.	. 0300-02	.1540-0:	.4315-03	5314-03	.7114-03	. 2840 . 4510	4.332	543.3
55000 10.000 1530-01 1320-01 1770-01 6927-03 5758-03 7709-03 4550 4.616 55500 11.000 1530-01 1360-01 1850-01 7092-03 5896-03 77093-03 4670 4.725 55500 12.000 1930-01 1260-01 2150-01 8413-02 5994-03 9354-03 5530 5.553 55000 13.000 124.000 124.001 224.001 1265-02 10594-03 1083-02 6340 6.451 55000 14.000 124.001 224.001 124.001 1265-02 1083-02 1899-02 11360 55000 15.000 14.000 1220-01 6890-01 1265-02 1099-02 11409-02 1361 55000 15.000 1320-01 6890-01 1250-01 1265-02 1099-02 11699-02 1561 55000 15.000 1320-01 1350-01 1350-01 12699-03 1439-03 1340 4.071 53000 20 00 01 130-01 130-01 1350-01 1350-01 1350-03 14928-03 15886-03 1386 5500 1700 1700 1700 1700 1700 1700 1700	.47500	9,0000	12-3771.	1470-01	1960-01	.7675-03	.6379-03	.8543-03	.5040	5.128	544.6
. 55500 11.000 1.930-01 1850-01 1.922-03 5894-03 7893-03 74570 4.720 5.5550 11.000 1.930-01 1.950-01 1.950-01 1.950-01 1.950-01 1.950-01 1.950-03 75530 5.553 5.553 5.553 5.550 1.95000 13.000 1.920-01 1.950-01 1.9490-01 1.9594-03 1.9354-03 5.553 5.553 5.553 5.553 5.553 5.553 5.553 5.550 14.000 13.000 1.24-0-01 1.950-01 1.950-02 1.090-02 1.909-0	.50003.	300.01	1590-01	13-025:	10-0771.	.6927-03	.5758-03	.7709-03	. 4563	4.615	54.0
. 65000 13,000 . 2240-01 . 1865-01 . 3240-01 . 1265-02 . 1051-02 . 1409-02 . 6380 6.451 . 65000 14,000 . 229.0-01 . 2420-01 . 1265-02 . 1791-02 . 2391-02 . 1.297 13.61 . 25000 . 2290-01 . 2490-01 . 2146-02 . 1791-02 . 2391-02 1.297 13.61 . 25000 . 25000 . 15,000 . 3920-01 . 2480-01 . 2556-02 . 2005-02 . 2816-02 1.297 13.61 . 25000 . 17 000 . 3220-01 . 3250-01 . 1704-02 . 1414-02 . 1899-02 1.639 10.70 . 22500 . 1130-01 . 1350-01 . 1520-01 . 1520-03 . 496-03 . 3840 3.815 . 33700 . 19 000 . 1130-01 . 1250-01 . 1520-01 . 1520-03 . 496-03 . 5818-03 . 3800 . 3 000 . 1130-01 . 1270-01 . 1910-01 .	. 52500	200. 4.	1630-01	1363-01	. 1820-01	.7092-03 .84:3-03	5896-03	.9364-03	.5530	5.553	543.7
.65000 14.000 .2990-01 .2420-01 .3243-01 .1265-02 .1051-02 .1409-02 .8290 8.390 .70000 .50000 .49300-01 .5500-01 .2146-02 .1791-02 .2391-02 1.297 13.61 .75000 .50000 .5900-01 .4930-01 .5900-01 .2956-02 .2905-02 .2916-02 1.539 15.51 .80000 .70000 .3920-01 .3250-01 .7000-02 .29500 .2916-02 .1019-02 1.639 16.51 .29500 .39000 .1220-01 .1350-01 .13	60009	13,003	.2240-01	1850-01	10-0645.	.9724-03	.8079-03	.1083-02	.53A0	6.45!	545.8
.75000 15,000 19,000 4930-01 5500-01 2146-02 1781-02 2391-02 1.297 13.61 1781-02 0.2000 15,00	.65000	000.41	.29:0-01	.2423-61	.3243-01	.1265-32	.1051-02	20-6041.	062B.	8.390	546.3
.75000 (5.000 .5910-01 4830-01 .5880-02 .2526-02 .2816-02 1.639 [5.5]8000 .15.000 .3920-01 .3250-01 .4370-01 .1704-02 .14-02 .1899-02 1.109 10.70 .28500 (9.000 .1220-01 .1010-01 .1350-01 .5289-03 .4395-03 .58138-03 .3470 4.07]28500 .9000 .1130-01 .9900-02 .1250-01 .9989-03 .4986-03 .5486-03 .3200 .1170-01 .9900-02 .1210-01 .5109-03 .7280-03 .5686-03 .3360 5.700 .2020-01 .1670-01 .8764-03 .7280-03 .7280-03 .5740 6.720 .1700-01 .2020-01 .1670-01 .8764-03 .7280-03 .7280-03 .5740 6.720	.70000	15,000	10-0264.	10-0604	.5500-01	-2146-02	50-1841.	-239:-02	1.397	13.6	550.4
.80000 17 000 .3820-01 .3850-01 .1970-02 .14,4-02 .1899-02 1.109 10.70 .2850 .8000 .1820-01 .100-01 .1850-01 .5889-03 .48599-02 .18090-02 .1970 4.07; .2850 .8000 .1220-01 .1010-01 .1850-01 .4928-03 .4896-03 .5848-03 .3840 .3840 .38700 .1130-01 .9900-02 .1250-01 .1810-01 .5109-03 .4847-03 .5886-03 .3860 .3.962 .28500 .2820-01 .1870-01 .2820-01 .1870-03 .2880-03 .5740 .5.720 .2820-01 .1870-01 .2820-01 .1870-01 .8760-03 .7280-03 .5750 .5740 .5.720	.75000	15,000	.59:0-01	10-028-	10-0849	.2526-02	50-55-05	.2916-02	1.638	.5.5:	
18.000 .1220-01 .1012-01 .1350-01 .5289-03 .4395-03 .5818-03 .3472 4.07. 19.000 .1130-01 .9400-02 .1250-01 .4928-03 .4096-03 .5486-03 .3260 3.815 20.000 .1130-01 .9800-02 .1310-01 .5109-03 .4247-03 .5686-03 .3360 3.962 21.000 .2620-01 .1670-01 .5240-01 .9364-03 .7280-03 .5740 6.720	3600 8 .	17 200	.3920-01	. 3250-01	.4370-01	1704-02	20-11:	. 1899-02	601.	10.70	920.9
19 000 .1130-01 .9420-02 .1250-01 .4928-03 .4085-03 .5488-03 .3240 3.815 20 000 1170-01 .9800-02 .1310-01 .5109-03 .4247-03 .5868-03 .3360 3.962 21 000 .2020-01 .1670-01 .5240-01 .9154-03 .7280-03 .9759-03 .5740 6.720	.29500	18.000	16-0221.	10-010:	1350-01	. 5289-03	. 4396-03	.5838-03	3470	4.07:	ர் (ஆ. (
20 000 1170-01 .9800-02 .1310-01 .5109-03 .4247-03 .5668-03 .3360 3.962 21.000 .2020-01 .1670-01 .5240-01 .9764-03 .7280-03 .9759-03 .5740 6.720	33700	600 61	11:30-01	20-00 ₇ 6.	15-092:	.4928-03	. 4096-03	.5486-03	. 32+0	3.815	ر ا ا
שאיכ. פט-צפלעפי, פט-נאפליני, פט-אפליני, פט-נאפלי, פט-נאפלי, פטרינפי, פטרינפי, פטרינפי, פטרינפי, פטרינפי, פטרינפי בייבוייר בט-אפרס ומ-מסבכ ימימודי ומימשבר במסבר במיבוייר בט-אפרס ומ-מסבכ ימימודי ומימשבר במסבר במיבוייר בט-אפרס ומ-מסבכ ימימודי ומימשבר במסבר במיבוייר במ-אפרס ומ-מסבכ ימימודי ומימשבר במסבר במיבוייר במ-אפרס ומ-מסבכ ימימודים ומימודים במיבויים במיבויים במיבויים במיבוים	. 39000	200 C2	1170-01	. 9823-32	.:3:0-01	.5:09-03	50-6424.	.5686-03	.3365	3.962	
	55554.	21.000	10-0505.	1679-01	10-05-22.	.9764-03	7280-03	50-55-65	טאי. כי. מאים ת	5. /20 5. 1.	. אינה אינה אינה
2 .000		ALPHA	FSTA NO FEE CO TO FEE CO TO FEE CO FE	FO PSIA PSIA PSIA PSIA PSIA PSIA PSIA PSIA	FS1A DEG. R D D DEG. R D D DEG. R D D DEG. R D D DEG. R D D DEG. R D D DEG. R D D DEG. R D D DEG. R D D DEG. R D D D DEG. R D D D DEG. R D D D DEG. R D D D DEG. R D D D D DEG. R D D D D DEG. R D D D D D D D D D D D D D D D D D D	FS1A DEG. R D D DEG. R D D DEG. R D D DEG. R D D DEG. R D D DEG. R D D DEG. R D D DEG. R D D DEG. R D D DEG. R D D D DEG. R D D D DEG. R D D D DEG. R D D D DEG. R D D D D DEG. R D D D D DEG. R D D D D D D D D D D D D D D D D D D	### PO TO PHI YAM PSIA DEG. R DEG. DEG. DEG. DEG. DEG. DEG. DEG. DEG.	FO TO PHI YAM T P PSTA DEG. DEG. REG. R PS PS PSTA DEG. DEG. DEG. REG. REG. REG. REG. REG. REG. REG. R	### PS1A PEC R DEG. PHCH * 8.000 ELEVON ***TEST CONDITIONS*** FPS1A DEG. PH. YAM FF HYDRE HYDRO 97.00 G900-01 3.106 FPS1A DEG. PH. OPC. PEC. PEG. PS1A PS1A PS1A FR. ST. NO FR. ST. NO S	### PETA ### ORGO HACH = 8.000 ELEVON = 1.000	### PARAMETRIC DATA ### PO 10 PHI YM T P 0 0

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DATE 07 OCT	7 OCT 75		OH-74 (AED	OH-74 (AEDC V418-88A)	HEAT ING	DATA ON OR	HEATING DATA ON ORBITER FUSELAGE PORT		SIDE			PAGE 92
				OH-74 (AE	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	4) B62C12F	IOMI GWI 27E9	52VBR19				(RVB001)
RL"4 NUMBER	TRAYE	×	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R-TAW	H(910) BTU/ R	H(T0) BTU/ R	H(TAH) BTU/ R	0001 B1U/	DTWDT DEG. R	TH DEG. R
;			, ,	4000	3	00.5	FT2SEC	FTZSEC	FTZSEC	FTZSEC	7.SEC	547
ያ ያ	2.0000	53000	24.000	3670-01	3050-01	10-0504	1596-02	.1325-02	.1778-02	5,6/1	11.29	548 9
, ₂ 2	P. 1300	.62000	25.000	6730-01	.5580-01	7510-01	.2928-02	.2428-02	.3265-02	1.897	55.05	553.6
25	2.3000	.67000	26.000	.5550-0;	10-0194.	10-0619.	.2415-02	. 2003-02	. 2693-02	1.564	16.91	553 9
52	2.0000	.70500	27.000	. 3280-01	.2730-0:	.3660-01	. 1428-02	.1186-02	.1590-02	. 9340	10.04	547 1
52	2.0000	.75000	28.000	.1540-01	.1360-01	.1820-01	.7127-03	. 5924-03	. 7932-03	0694.	5.143	544.0
52	2.3000	. 80000	29.000	.:520-01	.1270-01	.1690-01	.6622-03	. 5505-03	.7370-03	.4350	4.807	543.5
52	€.0000	.82.00	30.00	5100-05	.4300-02	.5700-02	. 2226-03	, 1851-03	.2477-03	. 1470	2.045	542.3
25	3.0000	.20000	31.000	.2830-01	.2350-01	.3160-01	. 1233-02	.1023-92	.1374-02	.8020	8.485	550.5
52	3.0000	.22509	32.000	.2300-01	10-0161.	. 2560-01	.1000-02	.8299-03	.1114-02	.6520	7.273	549.9
ß	3.0000	.25000	33.000	10-0121.	14-05-11	10-0161.	.7450-03	.6188-03	. 8297-03	0.84	0. 1.10	547.3
55	3.0000	.27500	3.4.000	.1300-01	.1080-01	14-50-01	.5667-03	.4708-03	.6309-03	.3720	4,44	545.7
55	3.0000	. 30000	35.000	10-0-1.	. 9500-02	. 1270-01	.4970-03	.4130-03	.5532-03	.3260	4.039	344.0
S.	3.0000	.32500	36.000	10-0421.	10-0201	.1380-01	.5379-03	.4471-03	. 5987-03	.3530	£. 143	מר.
Ç,	3.0000	.35000	37.000	. 1280-01	. 1050-01	. 1420-01	. 5545-03	.4609-03	.8172-03	.3640	4.227	10. 11. 11.
25	3.0000	.37500	38.000	1380-01	.1140-01	.1530-01	.5980-03	.4970-03	.6656-03	. 3930	۲.607	m,
25	3.0000	. 40000	39.030	. 2260-01	10-0881.	. 2520-01	. 9840-03	.8175-03	.1096-02	.6450	7.594	546.1
ß	3.0000	.42500	40.000	.2670-01	. 2220-01	. 2970-01	.1160-02	. 9634-03	. 1292-02	.7590	4/6.B	347.6
Ç,	3.0000	.45000	41.000	.2670-01	. 2220-01	.2970-01	.1160-02	.9635-03	- 1631 -	.7600	8.670	J. 0.40
52	3.0000	.47500	42.007	.3410-01	. 2830-01	.3800-01	.1483-02	.1231-02	. 1652-02	.9580	10.76	548.7
52	3,000	,50000	43.000	.4376-01	.3520-01	.4860-01	.1898-02	.1575-02	.2115-02	1.236	13.72	550.4
52	3.0000	.52500	44.300	.6170-5;	.5120-0:	.6880-01	. 2682-02	. 2224-02	.2990-02	1.739	20.30	553.1
ß	3.0000	.55000	45.300	.7620-01	.6310-01	.8500-01	.3314-02	.2744-02	.3698-02	2.131	23.57	558.4
52	3.0000	.60300	46.000	10-8664.	.3930-01	.5240-01	.2045-02	. 1698-02	.2279-02	1.333	ま: ま: ま:	550.0
52	3.0000	.65004	47.000	.2160-01	. 750-01	.2340-01	.9134 -03	.7590-03	.1017-02	.6000	6.359	544.0
25	3.0000	30007.	¥8.000	1310-01	10-0601.	.1450-01	. 5684-03	.4726-03	.6325-03	3740	4.132	542.8
55	3.0000	.75037.	49.000	10-0001.	.8300-02	.1110-01	,432e-0*	.3622-03	.4847-03	.2870	3.123	5. F. S.
52	3.0000	.ecce.	50.000	S0-0018.	.7200-02	.9700-02	.3778-03	3142-03	.4504-03	2490	2.6.2	מלקה יו
25	3.0000	. 85000	51.000	1100-011.	.9200-02	.:230-01	.4794-03	. 3984-03	.5335-03	.3153	3.900	24.4.1
25	3.0000	.87509	52.000	10-0461	19-0-91.	.2190-01	.8565-03	.7114-03	. 9539-03	2000	0 . Y	y :
25	3.0000	.90050	53.000	- 8603-05	.7100-02	.9500-02	.3738-03	3105-33	.4161-03	1,450	ง (* 	0,0,0
52	3.0000	. 92563	54.200	1920-01	- 9933-02	.1330-01	.5206-03	.4326-03	50-4516.	34:0	50 10	7 G
25	3.0000	. 95030	55.000	1570-01	.:050-01	1410-01	. 5521-03	. 4598-13	.6146-03	. 3520	5.003	ייים מייים מייים
52	4.3000	00 002.	7: 000	.3650-01	.3030-01	.4083-01	.1592-02	519-05	50-5/71.	1.028	89.17	0.000
52	4.0000	22500	72.000	10-0692	.2230-01	.3000-01	.1171-02	. 9712-03	305-02	7619	9.83.9 0.00	7.166
52	4.0000	25000	203.26	.20705.	1720-01	.2300-01	. 8994-03	.7465-03	.: 502-02	CZ85.	6.859 1	ייני מיני מיני
52	4.0933	. 27503	74,000	.1650-01	.1370-01	1840-01	.7165-03	.5950-03	7980-03	CB94.	50. 10.	7.77
52	0000°+	0000M	56.000	13-0621.	10-0911	.1550-91	.6049-03	5025-63	.6736-03	3960	٠٠. ا ظر	040.0
52	4.0000	32500	57.000	10-0491	1360-01	.1830-0:	.7132-03	.5924-03	. 7941-03	.4570	6.113	546.6
52	4.0000	.35000	59,000	2880-01	.2390-01	.3210-01	. 1252-02	. 1039-02	1395-02	. 8:50	10.55	549.7
ű	4.9009	37500	59.000	10-0514.	3480-01	.4670-01	. 1823-02	50-517	.2032-02	1.184	رد ر د د د	8,100
52		0000		16-0409	10-0:05.	.6740-01	.2628-02	5178-02	.2931-02	1.697	22.10 co ac	555.0 600.0
S.	4.0000	42500	5: 000	. 8023-01	.6630-0:	.8950-01	.3487~02	-58 3 4-02	. 3894-02	Z. cc8	0B - 30	ope.

2387 26.11 17 92 9.934 6.849 5.227 3.491 3.03! 2.357 3.095 3.609 2.645 7480 .6203-01 .1120 .1500 .2790 .2140 1.415 0408. .5540 .3100 .2:10 .1730 .446 .2580 .3549-02 .2441-02 .1368-02 .9408-03 .2938-03 .1046-03 .1889-03 .2694-03 .4352-03 .3614-03 BTU/ R FT2SEC .5228-03 OH-74 (AEDC VHIB-BBA) HEATING DATA ON ORBITER FUSELAGE PORT SIDE .2530-02 .1814-02 .3525-03 2664-03 .2!74-63 .7818-04 .1412-03 HITO) BTU/ R FT2SEC .7020-03 5636-03 .3908-03 .3254-03 .2013-03 0H-74 (AEDC V418-88A) B62C12F10M16W127E52V8R19 H (910) B 7 / R F 7 25C 2 199-02 8 450-03 6 780-03 6 780-03 8 5 780-03 8 5 780-03 8 5 780-03 8 5 780-03 8 5 780-03 .1698-03 .2421-03 4241-03 8200-02 .6700-02 .2400-02 .5610-01 .3159-01 .1740-01 .1000-01 .6200-02 .8160-01 1090-01 .4170-01 .2350-01 .1610-91 .6100-02 .5000-02 .1800-02 .9000-02 6050-01 3200-05 4600-02 8:00-02 6200-02 H/HREF R=1.0 . 1560-01 . 1560-01 . 9000-02 . 7403-02 . 6000-02 . 3900-02 . 5600-02 . 9800-02 . 7500-02 .7310-01 .5030-^. R=0.9 ş 62.000 63.000 64.000 65.000 65.000 68.000 69.000 77.000 77.000 77.000 78.000 79.000 89.000 2 45000 55500 55500 55500 55500 55500 75000 75000 75000 85000 95000 DATE 07 OCT 75 TRA E

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(PVB001) PASE

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DATE 07	DATE 07 OCT 75		OH-74 (AED	04-74 (AEDC V413-BBA) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	HEAT ING	DATA ON OR!	JITER FUSEL	AGE PORT S	3016			PAGE 94
				0H-7% (AE	0H-74 (AEDC V418-88A) BG2C12F10M16W127E52V8R19	A) B62C12F	10M16W127E	52V8R19				(RVB001)
ORBI TEF	ORBITER FUSE, AGE							PARAM	PARAMETRIC DATA			
					8E1A	. 0000	MACH	· 8.000	ELEVON .	0000.	RUDDER -	٠. دون دون د
					•••1ES	**************************************	•••5					
RUN	МАСН	ALPHA DES.	PS1A	10 DEG. R	PH1 0£6.	YAW DEG.	1 D£6. 8	9 418	0 ¥ <u>5</u>	V FT/SEC	RH0 SLUGS	MU LB-5EC
53	7.990	24.87	672.2	1338.	-179.6	.0000	97.20	10-0069'	3.102	3860.	.5993-04	.7824-07
RUN NUMBER	RN/L X10 6	HREF BTU/ R	STN NO									
53	7FT 2.956	, 4347-01	2345-01									
					:	***TEST DATA***	:					
ž	TRACE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	н 10	HCTAWI	4000	DTMOT	
NUMBER	1	i C	<u> </u>		R-1.0	R-TAW	BTU/ R	8TU/ R	87U/ R	BTU/	DEG. R	DEG. R
	;				6	0	FT2SEC	FTESEC	FT25EC	74.0	/ SEC 4.052	542.5
53	1,0000	30000	2.0000 2.0000	.1180-01	. 9800-02	.1320-01	.5141-03	.4277-03	.5719-03	.3+00	3.614	542.2
53	1.0000	.32500	3.0000	-9700-02	-0018	1080-01	.4227-03	.3517-03	.4701-03	.2800	2.879	0. L - 1. L
53	1.0000	.35000	4,0000 1,0000	10-0111.	. 9500-02 . 8500-02	.1240-01	.4514-03	3755-03	.5022-03	. 2990	3.142	542.5
1 Kr	1.0000	00004.	6,0000	.1150-01	.9700-02	.1290-01	.5056-03	.4205-03	.5624-03	.3350	3,44;	54.0 0.1 0.1
53	1.0000	C08594.	7.5000 8.777.8	10-0191	1380-01	10-058; .	. 7883-03	.6555-03	.8772-03	.5210	5.322	54.8.7
4 P.	1.0000	47500	9.0000	1770-01	1470-01	10-0261.	.7705-03	.6406-03	.8574-03	.5080	5.172	544.3
53	1.0000	.5000.	000.61	10-0061.	1590-01	10-0115.	.8252-03	.6861-03	50-816.	. 5440 . 6030	5.513	54.4
50 H	1.0300	י מלאלי. ממלאלי	מנטית:	10-0624	19-06-11	.2650-01	50-0515.	.8647-03	.1158-02	.6850	6.871	545.5
5 E	1.0000	03009.	13.600	10-010+	3380-01	.4530-01	.1767-02	50-754:	. 1968-02	1.157	11.68	549.5
53	1.0000	.65000	14.000	.6780-01	.5620-01	.7553-01	.2346-02	50-2445.	. 3284-02	. 9:3 5:55	19.27	554.5
53	3000 1	.70239	15.000	.2830-01	.2350-01	.3:50-01	1,229-02	. 1020-02	50-650-	.8050	3.635	טיני. היהיים
	1.0000	20267	1000	#C-CC10	7800-02	1050-01	50-2504	3405-03	.4550-03	0675.	2.5:1	545.7
25	0000.4	מטטטט. החקשק	ο c ο c ο c ο c	10-00-6 ·	1179-01	1550-01	.6:10-03	.5084-03	.6775-03	.4050	4.754	7. 140
9 14	20000 6	20000	7 C)	13-0-01	10-0111	14-30-01	5809-03	.4834-03	.646!-03	. 3850	4.545	541.3
, SC SC SC SC SC SC SC SC SC SC SC SC SC S	2.0030	39000	20.02	2030-01	10-06917	.2260-01	.8830-03	.7343-03	. 3925-03	.5830	6.880	3. W 7 U
53	CDC0 2	00924	21.000	.2363-01	1960-01	.2630-01	50-8501.	.8542-03	50-4411.	.678 <u>0</u> 8550	7.943	544.7
53	2,000.5	.47835	22.029	.3-0203.	. 25:0-01	. 3360-01	.1314-02	.1092-02	יולפטרונים.	. 8000	, nc. n	

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DATE 07	530 /		OH-74 (AEDC	OH-74 (AEDC V418-88A)	HEATING D	HEATING DATA ON ORBITER FUSELAGE PORT	IITER FUSEL		SIDE			PAGE 95
				0H-74 (AEC	04-74 (AEDC V418-88A) BG2C12F10M16W127E52VBR19	n 862C12F1	OM16W127E5	52VBR19				(RVB001)
Ž	184. 6	;; ×	0 0 V	47 4956	H/HPEF	H/HREF	H(970)	H(10)	H(TAH)	1000	DTWDT	7
P. C. C.	;	.)	σ. «	P=1.0	R=TAW	BTU/ R	BTU/ R	BTU/ R	910/	DEG. R	DEG. A
							FT2SEC	FIZSEC	FT2SEC	F 12SEC	J35/	
53	2.0300	.53000	23.000	.6250-01	10-0615.	.6970-01	50-6175.	. 2755-02	.3030-02	1,758	19.59	554.0
53	2.0000	.55700	24.000	10-0117.	.5890-01	.7930-01	-3090-05	.2550-02	3446-02	865°1	21.57	557.4
53	2.1300	.62000	25 000	.2620-01	.2180-01	.2920-01	-11411	.9481-03	.1270-02	.7510	8.147	3-co. 4
53	2.3030	.67009	26.000	19-0241.	.1180-01	.1580-01	.6157-03	.5118-03	.6852-03	0904.	4.409	الم الم
53	2.0000	.70500	27.000	.10-0-01	.8700-02	.1160-01	.4525-03	.3763-03	.5035-03	. 2990	3.218	5-3.6
53	€.0000	,75000	28.000	-8000-05	.6500-02	-00068 .	.3462-03	. 2880-03	.3851-03	. 2290	2.518	5.0 0.0
53	2.0000	.80000	29.000	<u>-00009</u>	50-0075.	.7600-02	.2984 03	.2482-03	.3319-03	0.1810	2.179	10 to 10 to
53	2.0000	.82400	30.000	. 2000- 42	.1600-02	.2200-02	1534 04	.7096-04	+0-96+6·	.5600-01	. 7850	9,3.8
53	3.0000	. 20009	31.500	3030-01	.2510-01	.3370-01	.1315-02	::3 92-05	.1465-02	.8610	9.110	540.5
53	3.0090	.22500	32.000	.2540-01	.2110-01	.2830-01	.1104-02	.9171-03	. 1229-02	. 7260	8.1.7	546.5
53	3.0000	.25000	33.000	1920-01	10-0091	10-0412	.8359-03	.6951-(3	.9301-03	.5520	6, 183	543.6
53	3 €000	.27530	34.000	1500-01	10-0521.	.1670-01	.6534-03	.5436-03	.7267-03	.4330	5.194	1
53	3.000	30,00	35.000	1320-01	1100-01:	10-02-11	.5727-03	4766-03	.6369-03	.3800	4.713	540.55 1.00.15
53	3.0000	.32500	36.000	. 1390-01	1150-01	10-0451.	.6031-03	.5018-03	.6707-03	0001.	۴.699	540.8
53	3.0000	.35000	37.000	1550-01	. 1290-01	13-02/11	.6722-03	. 5593-03	.7476-03	0944.	5.179	2 + ∶ ⊳
53	3 0000	.37500	39.000	.2560-01	.2!30-01	.2850-01	.1114-02	. 9266-03	.1240-02	. 135r	8.635	543.4
52	3.0000	00004.	39.200	.3300-01	.2750-01	.3580-01	.1436-02	.1194-02	.1598-02	19 1 6.	ž	545 3
53	3,000	.42500	40.000	.6-0004.	3320-01	10-0944.	.1739-02	1445-02	.:937-02		13.49	ታ. ጅታር
53	3.0000	.45000	41.000	.5370-01	.4450-01	.5980-01	.2334-02	.1939-02	. 2 600-02	1.528	17.41	549.6
53	3.0000	005€4.	42.000	10-6679.	.5530-01	.7570-01	.2953-02	50-8442.	.3293-02	1.915	21.20	555 8
53	3.0000	.50000	43.000	10-0695.	.4870-01	.6550-01	.2555-02	-2119-05	. E848-C2	1.663	G. 43	554.2
53	3.0000	.52500	44,000	13-6-32.	.2530-01	.3380-01	. 1321-02	.1098-02	50-1441.	2598	91.0:	548.5
53	3.0000	.55000	45.000	10-06121	. 1820-01	10-0442	.9540-03	.7929-03	.1352-62	.6390	5 993	545.6
53	3.0000	.69999	000 9 ≴	10-0121	.1050-01	.1416-01	. 5501-03	. +575-03	.61203	3540	3 954	7
53	3.0000	.65000	47,000	50-0067.	.6600-02	.8900-02	. 3435-03	.2859-03	. 3822-03	. 2 380	9.4.0	0.740
53	3.0000	00007.	18.000	.5900-02	≥ 0-006n.	.6530-02	.2545-03	.2118-03	. 2832-03			7. 70
13.	3.0000	75000	ព បា	50-000 h .	.3300-02	20-0044	.!732-03	. 1442-03	1966-03		מניין) u
53	3 0000	55338.	50.000	. 1705-32	50-004; ·	23-006;	7535-04	40-1.29°	#0-1388.	10-0000	3,5th.	7 t
53	3.0000	.65003		50-00:4.	. 3500-02	4500-52	50-+081.	50-000: 50-50-5	0011001) n	0.4.	
53	3.0000	87500	550 P	8737-02	20-002.	30-03c6.	6707.07.	00 - 210 ·	50-000 F.	35.47	ין פאר א	5. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
53	3000 €	60006	53.000	10-050.	10-0-0:	13-0-62	5008-03	50-0144	יים . היים מיני	, c.	6.014	0 to 0
55	3.0000	55 C 26		0 0 0	7 1		10-982L	50-65.9	10-100a	(1) (1) (1) (1) (1)	4.921	545 8
50	3.000	00000	000	00000	.0-0.7.		י מטריים י	40-644	40-88F.	nj	.1.8	D. 700
3 t	3333 1 .	יייים.		יים יים יים יים יים יים יים יים יים יים	- C-C-5	10-02-02	1250-024	20-840	50-464T	.8250	9,643	549.8
9 1		יים היים. מים היים) () () () (10-00-0	10-0181	10-02-7	501.6170	7875-93	1055-02	.6230	7,287	547.5
20 1	0 0 0 0 0 0		, , , ,	10-046.	10-036-	2050-01	E0-6408.	£0-6853.	£0-636B.	.5300	6.550	546.0
	2000	0000	1 0 0 0 1 W	(B+0*4-	10-0621	10-3121	.6696-03	.5550-03	74 19-03	0244.	5.791	4.8.4
0 N		0000	000 78	10-0.00	10-0222	3120-01	20-6:21	50-8.61.	.1358-02	.8320	10.50	546.3
n 14		000 H	000 es	10-0264	10-0004	.5370-01	52-9602.	50-046:	.2336-02	1 358	17.86	551 6
ין אין		005CF	000 64	16-69-9	5357-01	12-0151.	50-0185.	53-6525	.3'34-32	1 B20	23.70	556.5
, ,) ()) ()) ()		10-0084	3573-01	10-06-41	50-1781.	.1553-02	.2084-32	1.222	15 95	550 9
י גר זי	0000.*	00000		.2-62-0.	2240-61	10-0275.	.1057-02	.8870-03	.1189-02	.7323	161.6	5+6 3
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OH-7% (AEDC VY18-BBA) MEATING DATA ON ORBITER FUSELAGE PORT SIDE	04-74 (AEDC V418-88A) BB2C12F10M16W127E52V8R19	H/HREF H/HREF H/HREF H(910) H(10) H(12H) QDOT R=0.9 R=1.0 R=TAM BTU/R BTU/R BTU/R
0H-74 (AEDC V4	₹	1/C NO H
		X/L
OCT 73		TRANE
DATE 07 OCT 75		RUN

PAGE 96 RVB(1)

2	TRANE	хлг	T/C NO	H/HREF	H/HREF		н(910)		H(TAH)	1000	DTWDT	ī
NUMBER				R=0.9	R*1.0	R-TAW	91U/ R	BTU/ R	BTU/ 9	BTU/	DEG. R	DEG. R
							FT2SEC		FFZSEC	FIZSEC	/SEC	
53	4.0000	.45000	62.000	1510-01	. 1260-01	10-0891.	.6568-03		.7309-03	.4330	5.613	544.3
53	• . 0000	.47500	63.000	1150-01	.9500-02	.1280-01	.5018-03		.5583-03	.3320	4.221	543.5
53	4.0300	.50000	64.000	- 3000 - 05	-00 m	10-0001.	. 3893-03		.4331-03	.2580	3 190	542.7
53	4.3000	.52500	65.000	-20-000L	. 5800-02	.7800-02	. 3055-03		.3398-03	0505.	2.505	545.3
53	4.0000	.55000	66.000	.5700-02	-4730-02	.6400-02	.2482-03		.2761-03	. 1640	1.929	546'.1
53	4.0000	.60000	67.000	50-002h.	3500-02	20-004	.1833-03		.2038-03	. 1220	1.370	54C B
53	4.0000	.65000	68.000	.3+00-02	.2800-02	.3700-02	.1459-03		.1623-3.	10-0079.	1.138	546.6
53	¥.0000	.70000	69.000	51-0015.	.1800-02	50-0042.	.9215-04		.1025-03	10-0015.	.6820	546 6
53	4.0000	.75000	70.000	. 1200-02	.1000-02	-1400-05	.5301-04		.5895-04	.3500-01	.3930	539.6
53	4.0000	.80000	75.000	-1100-32	50-0006.	1200-02	+0-649+		.5167-04	19-0015.	.3720	540.3
53	4.0000	.85000	76.000	.8000-03	.7000-03	.9000-03	. 3424-04		.3807-04	.2303-01	27.30	535.5
53	4.0000	.87500	000.77	-5800-05	.2300-02	3100-05	. 1219-03		.1356-03	.8100-01	1.061	540.8
53	4.0000	.9000	78.000	.5200-02	.4300-02	.5800-02	. 2264-03		.2518-03	15C)	£+5 1	545.2
53	4.0000	.92500	000.64	-0069	50-00-5.	.7600-02	. 2983-03		.3318-03	.1970	2.446	546.3
5	£.0000	95000	80,000	6300-02	5300-05	20-0007	.2745-03		.3053-03	. 1820	2.130	540

DAIE 0 CUTO,	CH (AEDC , . 18-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	PAGE 97
	OH-74 (AEOC V418-88A) BG2C12F10M16W127E52VGR19	(RV9001)
ORBITER FUSE, AU.	PARAME 'RIC DATA	
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					31	***TEST CONDITIONS***	ONS					
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NUMBER		DEG.	PSIA	DEG. R	056.	DEG.	DEG. R	₽SIĀ	₩.	FT/5EC	SL U65 /FT3	18-SEC /FT2
ň	0.940	29.83	675.3	1340.	-179.6	0000.	97.30	.7000-01	3.116	3862.	.6012-04	.7836-07
\$		HREF										
NUMBER		87U/ R										
	761	FT2SEC	.0175									,
ភ		10-8554.										

TEST DATA

Ž	TRACE	X/L	1,C	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HITAMI	1000	DTMDT	3
NCH9ER				R=0.9	R-1.0	R-TAW	BTU/ R	BTU/ R	8TU/ R	870/	DEG. R	DEG. R
							FTZSEC	FT2SEC	FT2SEC	FT3SEC	/SEC	
ţ	1.0000	.27500	1.0000	.1459-01	.1210-01	1620-01	.6330-03	.5256-03	.7041-03	0024.	4.355	542.6
វិ	1.0000	. 30000	2.0000	10-0221.	10-0101.	1350-01	. 5299-03	£0-80hh.	.5894-03	.3510	3.73:	542.7
'n	1.0000	32500	3.0000	.1130-01	-9409-05	.1250-01	.4933-03	.4105-03	.5487-03	. 3280	3.365	542.0
้นั้	0000.1	.35000	4.0000	.:140-01	.9500-02	.1270-01	.4974-03	.4139-03	.5532-03	.3300	3.425	542.1
Į,	0000.1	37500	5.0000	:1170-01	.9700-02	.1300-01	.5100-03	.4243-03	.5674-03	.3380	3.554	5,3.1
ħ	1.0000	00004	9.0000	19-0261	::600-01	10-0412	.8380-03	.6970-03	.9324-03	.5550	5.696	514.0
ŕ	1.0000	.42530	7.0003	1790-01	1490-01	1999-01	.7798-03	.6484-03	.8677-03	.5160	5.34	544.7
វិ	1.6000	00054	9.0000	10-0061.	12-0851	13-0115.	. 8265-03	.6872-03	.9197-03	.5460	5.582	54.4.8
, vi	1.0000	30574.	9.0000	1730-01	10-0441.	1930-01	.7542-03	.6271-03	.8393-03	0664.	5.071	544.8
ň	1.000	(200G)	000.0:	10-0055.	:0-016:	.2560-01	1003-02	.8339-03	-1116-02	.6620	5.700	5+5.9
វ	1.0000	.52500	11 000	.2660-31	.22:0-0!	.2960-01	1159-02	.9635-03	. 1291-02	3+9∠.	7.725	547.:
, to	0000 1	30053.	()	.3383-0:	.2800-03	.3760-01	1471-02	. 1222-02	.1638-02	3696.	9.709	547.3
J. C	1 0000	00069.	600 A.	10-0022	10-0-62	.35-0-01	.1438-32	.1196-0E	.1582-62	.9430	9.523	550.2
54	1 0000	32359.	000.41	10-0952	.2.29-0:	.2853-01	.1115-02	. 9259-03	. 124:-02	.7330	7.439	5.48.1
ı,	0000	61301	15.300	13-0-12	1780-01	10-0622	.9321-03	.7746-03	.1038-52	.6140	₽.00.0	546.9
ţ	000	75003	16.000	. 9500-02	.7900-02	:0-050:	.4145-03	.3447-03	.46:3-03	0475.	3.776	ئ ئ ئ
ţ Z	0000	00000	:7.000	.3800-02	3100-02	50-0024.	1538-03	.1362-03	.:822-33	.1090	1.050	5+4.0
í	C C C C C C C C C C C C C C C C C C C	2622	360 81	:5:0-0:	1250-01	16-0291	.6552-03	.5459-03	7239-03	.4350	5.109	5+2.5
ž	5355 2	33700	19.530	13-0551.	10-0401	10-0681.	.5441-03	4527-03	.6352-03	.3510	4.253	5+2·C
7	2000	39005	200 02	2479-01	2050-01	.2753-01	.1076-02	.8951-13	50-6611.	C517.	8.393	54.4
į	2000	.42690	21.900	.2620 01	.2:90-01	. 2320-91	1142-02	.949:-03	50-1751.	.7530	8.815	5+5.6
้าเก็	€.0000	.47800	22.000	14230-01	.3520-01	.4720-01	.1845-02	. 1532-02	. 2055-92	1.211	3.45	5,640
,												

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RUN NUMBER												
NUMBER	TRACE	x/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAM)	1000	DIMOT	7
				R=0.9	R=1.0	R-TAW	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG R
							FTZSEC	FIZSEC	FT2SEC	FTZSEC	/SEC	
ā	2.0000	.53000	23.000	.3380-01	. 2810-01	.3770-01	. 1474-02	. 1724-02	.1642-02	.9680	10.76	549.3
ņ	€.0000	.56700	24.000	.2110-01	.1760-01	.2350-01	. 9209-03	.7653-03	.1025-02	.6070	6.593	546.7
\$	P. 1 300	.62000	25.000	.1390-01	1150-01	.1540-01	.6040-03	.5023-03	.6721-03	0004.	4.342	544.5
ţ	2.3000	.67900	26.000	S100-05	.7600-02	1010-01	.3951-03	. 3295-03	.4406-03	.2530	2.855	542.9
ភ្នំ	2.9000	.705 0	27.000	.7500-02	.6300-02	.8400-0S	.3303-03	.2749-03	.3674-03	.2190	2.353	542.0
ţ,	€.0000	.75000	28.000	S0-0074.	.3900-02	.5200-02	.2052-03	1709-03	. 2282-03	.1360	1.499	541.4
54	2.0000	.80000	29.000	.2600-02	.2200-02	.2900-02	.1147-03	.9542-04	.1275-03	.7600-01	8410	542 3
30 3	2 ccoo	36+28.	30.000	. 1000-02	.8000-03	.1100-02	+0-+124.	.3638-04	.4865-04	10-0062.	0404	543.
ģ	3 0000	.20000	3:.020	.3140-01	.2610-01	3490-01	,1368-02	. 1135-92	.1523-02	.8960	9.480	550.4
¥	3.3050	.22500	32.000	.2643-01	10-0612.	.2940-01	.1150-02	.9553-03	.1280-02	.7570	8.459	547.5
ψ	0000 £	.25000	33.000	10-0202.	.1680-01	.2250-01	.8798-03	.7315-03	.9790-03	.5820	605 9	544.3
ţ,	3.6699	27500	34.000	10-0721.	1310-01	.1750-01	.6850-03	.5699-03	.7620-03	0+2+0	5.447	542.3
ą,	3.0000	30000	35 000	1390-01	1140-01	1530-01	.5995-03	£0-686×.	.6668-03	.3980	4.935	541.7
ş	3 3368	32500	36 000	.1470-01	. 1230-01	.1640-01	.6428-03	5349-03	.7149-03	0.54.	5.0.3	541.7
54	3.0000	.35000	37 000	.2480-03	.2060-01	.2760-01	.1080-02	.8979-03	.1201-02	.7150	B.301	543.5
ζ	3 0005	37500	38.000	.3300-01	.2750-01	.3680-01	.1440-02	.1197-02	.1602-02	.9510	<u> </u>	545.7
t (i)	3 0000	00004.	39.500	.2870-01	.2380-01	.3190-01	. 1249-02	.1038-02	.1390-02	.8240	9.709	546.3
† 1()	3000	C09247	40.000	10-0002.	.2490-01	.3340-01	.1308-02	.1087-02	.1456-02	.8620	10.20	547.0
t uii	00000.₹	. ∔ 5000	4: 000	.3740-01	.3110-01	.4160-01	. 1630-02	. 1354-02	. 1815-02	1.072	12.23	548.3
Ž,	3.0030	47500	42.633	.2460-01	10-0402.	10-046-	.1072-02	.891!-03	.1:93-02	.7080	7.874	545.9
4,6	3.000	50000	43.00C	.2039-01	10-0691.	.2260-01	.8848-03	.7355-03	.9848-03	.5840	6.501	545.9
ţ,	3 6030	305261	C00 11	.1390-01	.1150-51	.15-0-01	.6045-03	.5028-03	.6725-03	, 4000	4.695	543.7
ř	3 5 5	55000	45.00c	.1110-01	-3-0026	. 1230-01	.4827-03	.4015-03	.5370-03	. 3200	3.563	543.4
Ţ	0000 E	00009	46 000	.7100-02	.5900-02	. 7900-02	. 3091-03	.2572-03	.3438-03	.2050	2.234	541.7
,	0000 B	.65000	J00.7+	20-00 6 %	50-001h.	. 5500-02	.2145-03	1785-03	.2385-03	. 1430	1.515	541.2
it ú1	3000 8	ocapt.	0000 87	.3300-02	2800-05	.3700-02	.1456-03	.1212-03	.1613-03	10-0026	1.071	540.3
ţ,	3 0000	75200	333 6 *	.:600-02	.:300-52	.1800-02	.6935-04	.5774-04	+0-0177.	10-0094	.5030	539.7
n T	3.0000	6777	50 000	.1709-02	.1403-02	.:800-02	.7208-04	+0-00J9	.8015 04	10-0084	5150	540.5
ត់	3 9000	.85253	51,500	.:B33-Cc	.1500-02	-2000-05	,7859-04	.6546-04	.8754-04	.5200-01	.6460	543.2
ý	3030 €	. 67503	52,000	20-0042	-5000-05	50-0012.	.105!-03	+0-1+L8.	1.69-03	.7500-01	.9610	543.8
τ	3000 €	60806	53 000	.3600-02	3000-05	20-00041	.1566-03	.1302-03	. 1742-03	0.101	£ ## 34	5.445
3 0	3 0000	92500	€r 000	₽ 0-00 hh .	3700-02	50-006h.	. 1934-03	.1608-03	.2152-03	.:280	1.677	544.2
\$	C	95000	520 59	3400-05	580-0582	.3800-02	1492-03	.1241-03	.1660-03	.9900-01	i.002	543.2
÷,	6592 +	20272	1000	.3573-01	.3050-0:	10-0504	. 1603-02	.1327-02	.1784-02	1.045	-1. -1. -1.	555.0
'n	0000	25522	72.000	10-0275.	. 2256-01	.36+0-01	.1188-02	.9868-03	.1324-02	.7800	9.113	550.0
ď,	7000 h	. 25C23	73,000	.2050-01	:0-007:	. 2290-01	.8932-03	.7421-03	.9943-03	.5880	6.883	547.6
J.	5,00 7	3055	34.600	12-3012.	1740-01	.2330-01	.9135-03	.7591-03	-10:7-92	.6020	7.439	547.0
มา นา	5000 x	20008	56.000	.2080-01	.1730-01	.2310-01	.9055-03	7528-03	.1538-02	.5980	7.826	545.9
¥	0000	38500	57.000	3750-01	.3:20-01	190-014	. 1640-02	13.2-32	.1826-02	1.00ء	90.41	549.9
น้ำ	0000 *	25000	58.000	3880-01	.3220-01	.4320-01	. 1691-02	. 1403-02	.1883-02	1.107	14.45	551.5
ţ	9300 +	37530	53 000	10-0622.	16-068:	.2530-01	.989:-03	. 8222-03	.1101-02	.6530	8.548	545 9
ħ		C 0007	EC 530	19-0-61	1550-01	.2080-01	.8:38-03	.6755-03	.9058-03	.5370	7.035	545.8
Į,	٠ ١ ا	*25CC	Ω Ω	10-008.	10-0801	10-0541	.5677-03	.4721-03	.6315-03	.3760	4.927	543.7

UATE ()	UATE OT COT TS		OH-74 (AEDC	C V418-88A)		HEATING DATA ON ORBITER FUSELAGE	IITER FUSE	PORT	SIDE			PAGE 99
				OH-74 (AE)	DH-74 (AEDC V418-88A) BG2C12710M16H127E52V8R19	A) BG2C12F1	OM16W127E	52V8R19				(RVB001)
ş	TRA. E	×	1/C NO	4/HPEF	H/HREF	H/HREF	н(910)	H(10)	H(TAH)	TOGO	DTWDT	3
NUMBER				8€0 9	R=1.0	R-TAH	BIU/ R	BTU/ A	BTU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FT2SEC	FTZSEC	/ SEC	
ņ	4.0000	.45000	F->.000	-00 +0 .	.7000-02	-9300-05	.3649-03	.3036-03	.4059-03	.2420	3.137	8.543
ņ	2000 4	.47500	63 000	.630Dº	5200-05	7000-02	.2744-03	, 2283-03	.3052-03	. 1820	2.321	545.2
ň	90C - %	.50000	84.030	20074.	3900-05	. 5200-03	.2031-03	, 1690-03	.2259-03	.1350	1.672	541.7
Ţ,	4.3800	. 52500	55.000	20-0044.	3700-02	20-0064.	. 1923-03	.1500-03	.2139-03	.1280	1.583	5.143
J.	4,0000	.55000	56.300	.3200-02	50-0075.	.3600-02	.1404-03		.1562-03	10-0656.	1.097	541.0
ý	€.0000	.60005	67.000	50-0045.	20-0000	.2700-02	. 1056-03	.8793-04	.1175-03	.7000-01	.7530	546.3
ń	۴.0005	.65000	69,000	-1400-08	1200-03	. 1603-02	.6227-04	.5:85-04	.6924-04	10-0014	.4880	539.8
ð	4.6000	70000	69.000	.7000-03	6000-03	.8000-03	.3220-04	.2681-04	.3580-04	10-0012.	. 2390	539.8
š	4.0000	75000	70 000	.1000-02	.9000-03	.1200-02	40-4694	.3809-04	.5085-04	.3000-01	3410	539.3
ţ	0000.⊁	80000	75.330	50-001:	£0−0 00€	.1200-02	40-1164.	.39≥1-04	+0-825c.	.3100-01	.3780	540.5
ភ្នំ	4.0000	<u> 95030</u>	76.200	.1500-02	1300-02	0-0071.	<u> </u>	-5569-04	.7.38-04	10-0054	.5290	539.9
ភ័	0000° h	.87533	200, 77	.1709-92	.1400-02	.1900-02	.7592-04	.6318-04	.8443-04	.5000-01	.6620	541.1
ń	4.0000	.90000	78.000	50-0071.	1400-0"	.1900-02	.7535-04	.6271-04	.8381-04	.5000-01	06+9	541.7
វិ	4.0000	.92530	79.030	.2200-02	.1900-CD	. 2500-02	.9759-04	.8121-04	.1085-03	.6500-01	0408	541.4
ţ	4.0000	.95000	80.000	. 1600-02	.1309-02	. 1700-02	₩0-8189°	.5E73-04	.7584-04	10-0054	.5310	542.3

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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATE 0'	DATE 07 OCT 75		0H-74 (AEDC	04-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	HEATING (DATA ON OPE	BITER FUSEL	AGE PORT \$	301			PAGE 100
				011-74 (AED	C V419-88/	4) 862C12F1	01-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	52VBR19				(RVE 301)
0RB: *£I	ORBLIER FUSELAGE							PARAME	PARAMETRIC DATA			
					BETA	. 0000	MACH	• B.000	ELEVON .	0000.	RUDDER .	.000.3
					****	***1EST CON 110NS***	δ. • • •					
NUR. NUR. REGEN	HOACH	ALPHA DEG.	P0 A124	TO DEG. R	PH1 0E0.	YAW DEG.	DE0. R	PS!A	0 4184	V F1/SEC	RHO SLUGS	MU LB-SEC
ស្វ	1 993	34 35	674.3	1341.	-179.6	.0000	97 40	.7000-01	3.112	3864.	¥0-8665.	.7842-07
2.48ER 55	RN/L X10 E /F1 2.95E	H ⁴ EF BTU/ R FT2SEC ¥356-01	57.4 NO R# .0175									
					:	*** DATA***	:					
ā	á	, , , , , , , , , , , , , , , , , , ,	QX C	H/HBFF	H/HREF	H/HREF	H(910)	H(T0)	H(TAM)	1000	DTMDT	3
1 1 1 1	5	; 1))	R=0.9	₽ . 1.0	R-TAM	BTU/ R	BTU/ R	81U/ R	810/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FTZSEC	FTPSEC	7.SEC	i i
r.,	00.00	39575.		.1530-01	10-3751.	10-00-1.	.6653-03	.5535-03	.7+01-03	7080	4.577	เมื่อ เกิด
ሲ ሌ ር	0 000 ;	3000. 3000.	מנוסט או שטר או	13-0-51	. 8900-02	1190-01	50-46/C.	.3869-03	.5173-03	.3090	3.172	9-5-10
U C	1.0930	355.03		10-6121.	10-0001	1340-01	.5257-03	.4373-03	.5347-03	3490	3.618	31.3.0 0.1.0
ក្សា ស្រួ	1.0000	C 10 1	ري. ماري	10-0-17	10-0541	10-0461	. H763-03	.7287-03	.9751-03	5800	5.952	9,4,0
H 13	1.0000))) 	7.9000	1410-01	.1170-01	.1570-01	.6139-03	.5106-03	.6831-03	04070	4.212	544.7
\ ;;	0.000	000064	g. 6690	10-0661.	1650-01	.22.10-01	.8655-03	.7196-03	.963:-03	.5730	5.848	545.3
• •	() (() ()		9,0000	.2280-01	.1900-0.	2540-01	.9939-03 R397-03	. 6981-03	.9345-03	.5550	5.617	545 7
์ น้ำ น้ำ	1 () 1 () 2 ())	11 050	.2850-01	.2370-01	7180-01	. 1243-02	.1033-02	.1384-02	.8200	B.236	57.0
43	E . 36 1	50000	12.000	.2970-01	10-0942.	.3300-01	.1292-02	.1073-02	.1438-02	.8520	8.539	F. F. J
47	; ; ; ; ; ;	00000	13.000	.2300-01	1910-01	.2560-01	50-1001.	.8322-03	50-5111	.6600	6.67! 6.945	547.9
n , ,	• •	53033	000.4	.2350-01	יושפון מו	60-0369	20-/201.	50-2482	30-1411.	. 2260	2,213	0.440
) ()	1001	000 %1	34.00-02	2800-05	.3700-02	.1467-03	.1220-03	.163!-03	10-0076	.9870	542.8
	, ,) () () () ()	000.77	50-0015.	1700-02	.2300-02	HO-4468	40-0446.	40 S466.	5900-01	5750	543.3
	. '	5 (C) 4 (C) 5 (C) 7 (C)	000 81	1580-01	.13:0-01	10-05/1	.6970-03	-0-5175.	.76'12-03	.4560	5.349	543.2
:		()	000 6.	.1460-01	10-0121.	16-0-31	.6351-03	, 5284-03	.7065-03	.4220	4.971	543.2
12		30,65.	20.000	10-0242'	.2020-01	.2710-01	.1059-02	.8810-03	50-6211.	.7010	8.259	545.2
vi	.,	00 40 T	21.000	.2340-01	1940-01	.2600-01	.1018-02	.8464-03	.1133-02	.6730	7.885	U45.8
	,	000L+.	22.003	.2450-01	.2040-01	.2730-01	.1069-02	.8888-03	.1130-52	.7060	7.854	545.6

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DATE 0'	DATE 07 OCT 75		0H-74 (AED)	OH-74 (AEDC V418-(3A) ::EATING DATA ON ORBITER FUSELAGE PORT	C SNITHO	ATA ON OR	BITER FUSEI		SIDE			PACE 102
				0H-74 (AE	04-74 (AEOC V418-88A) BG2C12F10M1GW127E52V8R19) B62C12F	10M16W127E	52V8R19				(RVB001)
25	TRAVE	X	1/C NO	H/HREF	1/HREF	H/HREF	H(910)	H(10)	HITAHI	TOGO	DTWDT	ä
NUMBER		!		R=0.9	R-1.0	R-TAW	BTU/ R	B1U/ R	BTU/ R	BTU/	DEG. R	DEG. R
!							FIZSEC	FIPSEC	FIZSEC	FIZSEC	/SEC	
55	4.0000	.45000	62.000	50-0069.	.5700-02	.7500-02	. 2991-03	.2489-03	.3327-03	0661.	2.579	542.2
55	₹.0000	.47500	63.000	. 5300-02	20-0044.	.5900-02	. 2323-03	.1933-03	.2583-03	. 1550	1.969	541.7
55	4.6.300	.50000	64.000	50-00+4.	.3700-02	-4900-02	. 1929-03	.1605-03	.2145-03	. 1280	1.591	541.2
S.	٠, 3000	.52500	65.000	.3500-02	. 2900-02	. 3900-02	.1510-03	.1257-03	.1679-03	0101.	1.246	541.1
55	4.0000	.55000	66.000	. 3200-02	.2600-02	.3500-02	.1375-03	.1145-03	.1529-03	.9200-01	1.076	540.3
52	4.0000	. 60000	67.000	. 1500-02	. 1200-02	.1600-02	.6344-04	.5282-04	.7053-04	.4200-01	0774.	539.7
55	4.0000	.65000	39.000	.7000-03	.6000-03	.8000-03	.3128-04	.2605-04	.3477-04	.2100-01	.2460	539.0
S	4.0000	00004.	69.000	. 1200-02	.1000-02	.1300-02	.5107-04	4552-04	,5678-04	.3400-01	.3800	540.0
55	4.0000	.75000	70.000	. 1300-02	.1100-02	.1400-02	.5642-04	+0-8694.	.6272-04	.3800-01	0064.	539.6
55	4.0000	.80000	75.000	.6000-03	.5000-03	.7000-03	.2575-04	.2143-04	.2862-04	10-0071.	.2970	540.3
55	4.0009	.87500	77.000	.1200-02	. 1000-02		40-760S.		.5657-04	3400-01	0944.	540.8
55	4.0000	. 90000	78.000	. 1200-02	.1000-02	1400-05	.5409-04	.450S-04	.6015-04	:3-009£:	0.294	5+1.5
55	3000.	. 92500	79.000	-1400-05	.1100-02	.1500-02	.6001-04	+0-566+	.6674-04	10-0004.	.4950	541.3
55	4.0005	.95000	80.000	.1630-02	.1300-02	. 1700-02	.6818-04	.5673-04	.7584-04	10-0054.	.5310	545.3

DATE 07	OATE 07 OCT 75		0H-74 (AEDC V418-88A)	: V418-88A;	HE AT ING	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	31TER FUSE	LAGE PORT	310£			PAGE 103
				0H-74 (AE	DC V418-BB	04-74 1AEDC V418-88A) 862C12F10M16W127E52V8P19	10M16W127E	52VBP19				(RVB001)
ORB11FR	ORBITER FLISE, AGE							PARAM	PARAMETRIC DATA			
					BETA	. 0000	MACH	8.000	ELEVON .	. 0000	₹UDOF ×	0000.
					****	***TEST CONDITICHS***	•••5					
RUN NUMBER	МАСН	ALPHA DEG.	P0 P51A	TO 70	PH1 0£6.	YAW DEG.	↑ DEG. ₽	P PSIA	0 PSIA	V FT/SEC	RHO Stugs	HU HU
56	7.990	39.91	673.2	1341.	-173.6	1000+00	97.40	. 7000-01	3.107	3864.	7F13 .5988-04	/F12 .7842-07
RUN	RN/L X10 6	HREF BTU/ A	STN NO									
96	7FT 2.951	FT25EC .4352-01	.0175 .2347-01									
					•	***TEST DATA***	:					
20	TRACE	×/۲	1/C NO	H/HREF	H/HREF	H/HREF	н(910)	H(10)	HCTAH	4000	DTMOT	3
NUMBER		i :		R=0.9	R-1.0	R-TAW	BTU/ R	BTU/ R	BTU/ R	810/	DEG. R	DEG. R
26	1.0000	.27500	1.0000	10-0641.	10-0421.	1660-01	.6475-03	.5387-03	7204-03	30024.	4.452	543.6
92	1.0000	.30000	2.0000	.1320-0:	10-00:17	1470-01	.5747-03	E0-087#.	.6394-03	.3810	540.4	543.9
	1.0000	.32500	3.0000	10-0/01.	10-0441.	.1920-01	. 1529-03	.6262-03	.8375-03	0664	5.1.3	544.0
8	1.0000	.37500	5.0000	1640-01	10-0921	1820-01	.7133-03	.5931-03	.7937-03	0254.	4,958	545.0
35 60 71	1.0000	00004.	5.0000 7.0000	10-03/1.	14-10-01	10-0081.	.7446-03	50-56:9:	.6286-03	0264.	5.102	5.5.5
, %	1.0000	.45000	8.0000	.25:0-01	10-0012	10-0162.	.1138-02	.9457-03	.:266-02	3156.	7.670	1346.4 146.4
S A	1.0000	5000	9,0000	.0-55-5.	1700-01	10-0825.	8919-63	. 8069-03	50-0801.	. 64.13	5.489 6.489	546.0
, g	1.0000	.52500	.00.1	1340-01	.2772-01	.3720-01	53-5541.	1208-02	.16!7-02	.958	69.6	547.3
56	1.3000	.55000	12.5	10-0+62	:0-0112.	.2830-01	1105-02	50-4616.	1231-02	.7300	.318	346.8
55	1,000	.60000	13.E	10-0485.	1950-01	.2610-01	50-0501.	50-8/4A.	50-0264.	.2933	9.965 2.965	0.44.0 0.44.0
, 12 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	1.0000	00007.	15.000	9 0-0092.	50-0022.	50-0062.	1143-03	+0-9005.	.127!-03	.7500-01	.7420	5.2.9
35	1.0000	.75000	16.393	. 2300-02	1900-02	.2618-32	.10:8-03	+0-89+8.	.:132-03	12-00891	.6850	542.2
56	1.0000	302087	17,550	50-0022.	1803-02	50-0045.	.9372-04	40-7875	1042-03	.6200-01	. 6030	5428
55	2.0000	2857	18.000	10-0251.	1270-01	10-0071	.665!-93	5532-03	.73/98-03	טואי.	υ. 	7,43,17 10,43,17
ιυ r ru r	2.0033	33700	000 61 20.000	1930-01	1550-01	.2220-01	.8335-03	.6982-03	.9342-03	. 5560	6.553	n 60. ***********************************
3 5	2.0000	. 42600	21.000	.3300-01	10-0475.	.3670-01	.1435-02	.1192-02	.1597-02	. 9463	11.07	547.9
36	2.0000	.47900	22.000	.2870-01	.2390-01	10-0618.	-1243-0 2	.1037-02	.1389-02	. 8243	9.17:	545.4

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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATE 07	7 021 75		OH-74 (AEDC	0H-74 (AEDC V41B-88A)	HEATING C	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	IITER FUSEL	AGE PORT !	3015			PAGE 104
				0H-74 (AE)	0H-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	v) 862C12F1	0M16W127E	52V8R19				(RVE001)
Ş	TRACE	x/r	4/C NO	H/HREF	H/HREF	H/HREF	н(910)	H(10)	HC TAH)	abor	DTWOT	2
NUMBER				R=0.9	R*1.0	R-TAM	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
	,		1		4	;	FT2SEC	FT2SEC	FT2SEC	FT2SEC	7550	i i
ę,	2.0000	.53000	23.000	10-0861	10-0191	. 2200-01	. Bbus-03	50-16-7.	50-9/56.	0800.	9.5.0	240.7
δ	2.0000	.56700	24.000	.1370-01	.1140-01	. 1530-01	. 5984-03	.4977-03	.6658-03	. 3960	4.305	344.6
92	2.6.300	.62000	25.000	.6700-02	.5600-02	.7400-02	. 2905-03	.2417-03	31-03	. 1930	2.093	542.7
56	2.3000	.67000	26.000	.3200-02	.2700-n2	.3600-02	. 1394-03	.1160-03	.1551-03	.9300-01	1.008	542.1
26	2.0000	.70500	27.000	.2000-02	.1700-02	.2300-02	- B881 - O4	.7393-04	.9876-04	.5900-01	.6380	6.046
26	2.0000	75000	28.000	. 3200-02	. 2600-02	.3530-05	. 1381-03	.1150-03	.1536-03	.9200-01	1.0.1	540.7
56	2.0000	.80000	29.000	20-00-2	.2000-02	.2600-02	.1037-03	.8628-04	.1153-03	.6900-01	.7620	541.3
56	2.0000	.82400	30.000	.8000-03	.7000-03	.90-03	.3688-04	.3069-04	¥0-1014,	. 2500-01	.3420	541.9
8	3.0000	.20000	31.000	.3290-01	.2730-01	.3660-01	. 1430-02	.1187-02	.1593-02	.9380	9.913	551.1
55	3 0000	.22500	32.000	.2550-01	.2200-01	.2950-01	.1154-02	.9532-03	.1285-02	.7600	96.496	548.2
56	3.0' 00	.25000	33.000	10-6402.	.1700-01	.2270-01	.8981-03	.7384-03	.9984-03	.5970	6.567	545.8
56	3.0000	.27500	34.000	. 530-0!	. 1270-01	10-0071.	.6545-03	.5527-03	.7392-03	0155	5.280	543.7
32	3.0000	. 30000	35.000	.1600-01	.1330-01	.1780-01	.6952-03	.5784-03	.7733-03	0194	5.714	543.1
26	3.0000	.32500	36.000	. 2720-01	.226001	.3020-01	.1183-02	.9839-03	.13:6-02	. 7830	9.183	544.7
26	3.0000	.35000	37.000	. 2660-01	.2210-01	.2960-01	.1157-02	.9618-03	.1287-02	.7660	8.878	545.0
55	3.0000	.37500	38.000	.2070-01	.1720-01	.2300-01	.9004-03	.7488-03	.1002-02	.5960	895.9	544.8
55	3.0000	40000	39.000	10-07-5.	.2300-01	.3080-01	. 1205-02	. 1002-02	.1341-02	.7390	9.336	54 5 .0
92	3.0000	.42500	40.000	10-0682.	.2400-01	.3210-01	. 1257-02	.1045-02	. 1399-02	.8300	9.821	546.7
55	3.0000	20054.	41.009	. 2430-01	.2020-01	.2700-0,	.1057-02	.8790-03	.1176-02	.7000	7.991	544.9
22	3.0000	47500	42.000	.2200-01	1930-01	.2450-01	.9574-03	.7960-03	.1065-02	.6330	J. 04.0	<u> </u> ያፋው.
56	3.0000	.50063	43.000	.1340-01	10-0111.	10-0641.	.5833-03	.4851-03	.6489-03	.3870	4.309	543.7
26	3,0000	.52500	44.000	-80008	.6600-02	-8900-05	.3472-03	.2889-03	. 3861-03	.2310	2.70B	542.3
ኤ	3.0030	.55000	₩3.000	.6500-02	.5500-02	.7300-02	. 2856-03	. 2377- '3	.3176-03	. 1900	S 3	
S S	3.0000	.60000	46.000	20-000+ .	. 3300-02	- 4500-02h	.1748-03	.1455-03	. 1944-03	.1160	1.267	540.0
200	3.0000	.65000	47.000	S400-05	.2000-02	-2700-05	1043-03	.8686-04	.1160-03	.7000-01	.7400	340.0
æ	3.0000	.70000	48.000	-5:00-05	.1700-02	. 2300-02	.9120-0 4	.7594-04	1014-03	.6100-01	.6720	539.8
56	3.000	. 15000	49.000	.2800-02	S400-05.	.3100-02	.1230-03	.1024-03	.:358-03	.8200-01	.8930	540.0
35	3.0000	.80000	50.030	-5300-05	.1900-02	.2500-02	.9952-04	8284-04	.1106-03	.6500-01	.7110	5.0.6
25	3.0900	. 85000	51.090	.1600-02	.1300-02	.1700-02	.6928-04	.5681-04	.7595-04	. 4500-01	.5620	5,5,0
55	3.0000	.87527	52.000	20-0041	.1200-02	20-009!	·0-1909.	.5047-04	+D-8+/9.	10-0004)))))	
56		0000B.	53.000	. 2203-02	. 19, 3-02	.2500-02	.9752-04	-0-2:18.	. 1085-03	.5529-01	0106	543.E
55	3 0000	. 92530	54.003	4300-05	.3500-02	20-0084.	. 1879-03	.1563-03	.209:-03	. 1250	1.633	543.6
26	3.0000	.95000	55.000	.5100-0 2	20-00:5:	.6900-02	. 2657-03	.2210-03	. 2955-03	.1760	1.784	543.6
eg G	0000 1	€0808.	71.000	10-0125.	10-0-6-	.3590-01	50-0441.	20-46:1	.:605-c2	.9390	10.66	554.0
S.	4,0000	.22509	72.303	.2659-0:	. 2230-01	.2950-01	.1153-02	.9578-03	. 1285-02	0.757.	8.849	550.5
55	4 0000	. 25500	73.000	10-0545	.2349-51	.2739-01	.:068-02	.9869-03	-1189-02	.7030	8.219	548.6
56	4.0000	.27500	74.000	12-62-2.	.2250-01	.3030-01	.1183-02	.9925-03	.1317-02	1,80 1,80	9.609	548.9
56	4 0000	.39000	250 9 3	10-0575.	.2270-01	.3540-01	. 1:89-02	. 1991 - 03	334-02	7840	10 25	947.9
55	2000.	.3250	5 7.300	.2570-01	10-0+12	. 2870-01	1121-02	.9313-03	::247-02	7390	9.670	0.47.0
55	4.0000	.35000	58 CCD	2375-01	10-0-6:	J-0+92.	.1932-02	.8576-03	1148-02	.6810	9.9.6	546.1
55	6000.4	.37500	59.000	.0-0552.	.2120-01	.2830-01	.1109-02	.9209-03	.1233-02	.7320	9.582	546.2
56	4.0000	CC004.		1350-01	10-58111	16-0151.	. 5923-03	.4926-03	.6589-03	.3930	ر الرائية الرائية	54.8.6
56	0000	742500	61 030	.8300-02	.6930-02	.9300-02	.3625-03	.3016-03	.4032-03	٠ 1	3.158	رن بر. بر.

DATE 07 .	c: r		0H-74 . AED	04-74 . AEDC V419-89A) HEATING DATA ON ORBITER FUSELAGE PORT	HEATING	DATA ON OR	BITER FUSE	LAGE PORT	S10€			PAGE 105
				0H-74 (AE)	04-74 (AEDC V418-38A) BG2C12F10M16W127E52V8R19	A) B62C12F	10M16W127E	52VBR19				(RVB00:)
S. NO	3 441	x, L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	н то	H(TAM)	1000	TCHTO	3
NUMBE R				R=0.9	R=1.0	R-TAM	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. A	DEG. R
							FT2SEC	FTZSEC	FT2SEC	FT2SEC	7.SEC	
2 6	0000.	.45000	6€.000	.5900-02	-006h.	.6600-02	.2568-03	.2'37-03	.2856-03	.1710	2.215	541.6
ኤ	4.0000	.47500	63.000	-4600-02	. 3800-02	5100-05	.1990-03	.1656-03	. 2213-03	.1320	1.689	3
ž	4 . r 300	.50000	64.000	.3200-02	. 2600-02	.3500-02	.1385-03	.1153-03	. 154.3-03	10-0026	2 . 5 4	540.7
ኤ	۰۰۰۰۰۰	. 52500	65.000	52-00 53 .	.2100-02	.2800-02	.1107-03	.9218-04	. 1231-03	10-0042	.9140	540.9
36	4.0000	.55001	66.000	. 1600-02	.1400-02	.1800-02	.7139-04	.5943-04	.7937-04	10-0084	.5590	540.2
36	€.0000	.60000	67.000	.9000-03	.8000-03	-1000-05	.3964-04	.3301-04	40-4044.	.2600-01	. 2980	539.3
8	4 . 0000	.65000	69.000	. 1500-02	. 1200-02	.1600-02	.6435-04	.5358-04	1154-04	.4300-01	.5040	540.1
56	4.0030	.70000	69.000	.1500-02	.1200-02	. 1600-02	+0-G+49.	.5356-04	.7166-04	10-0024	,4800	540.0
56	0000 +	.75009	70.000	50-00-2.	-20000-05	-2600-02	.1024-03	.8528-04	.1139-03	.6800-01	.7620	540.4
56	4.0000	. 80000	75.000	-1000 - 0E	.8000-03	-1100-02	4351-04	.3622-04	4838-04	.2900-01	.3490	541.0
35	۴.0000	.87500	77.000	.1200-02	50-0001.	.1300-02	.5143-04	+0-182+	.5720-04	.3400-01	0644	5.146
56	4.0000	. 90000	78.000	.2300-02	. 1900-02	.2500-02	.9808-04	40-19IB.	.1091-03	.6500-01	.8450	542.3
56	4.0000	92500	79.000	-4200-05	.3500-02	50-0074.	.1841-03	.1532-03	.2048-03	1220	1.514	6.54
55	4.0000	.95000	80.000	.1500-02	. 1300-02	.1700-02	.6918-04	.5673-04	7584-04	.4500-01	.5310	5.2.3

(RVB001) PAGE 105 OH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE 0H-74 (AEDC V418-88A) 962C12F10M16W127E5278F19 DATE 07 OCT 75

PARAMETRIC DATA ORBITER FUSEL AGE

RHO HIJ SLUGS LB-3EC /FT3 /FT2 .6010-04 .7830-07 RUDDER - .0030 - 8.000 ELEVON - .0000 V F1/SEC 3861. 0 PS1A .7000-01 3.113 PS1A BETA - .0000 MACH ↑ DEG. R -.1000+00 97.30 ***TEST CONDITIONS*** YAH DEG. PH1 966. -179.6 T0 DEG. R 1339. STN NO R. .0175 674.6 HREF BTU/ R FT2SEC .4356-01 ALPHA DEG. 43.95 RN/L X10 6 /FT 2.963 MACH 7.990 RUN NUMBER RUN NUMBER 57

TEST DATA

	œ		er.	e.	0	·c·	·	16	<i>t</i> -	-1		ž.		æ.	uí.		1.1	u ,	ı,	_	(7.)	u1		01
ĭ	930		544	545.	545.	545.6	546.	5.5	546.	546.7	546.	547.	547.	546.	547.6	544.	542	542	543.	S L	546.	546	5.49.	5.6.
DIMDI	DEG. R	7.SEC	4.316	3.987	3.961	5.983	5,145	5.045	6.550	7.221	5.680	9.436	9.895	8.413	5.790	1.533	0004.	1.228	1 007	4.988	9 734	7.319	11.92	13.21
1000	810/	FT2SEC	٠4 ا 70	.3760	.3760	.5780	0064.	0264.	.6330	.7080	. 5590	.9330	.8790	.8390	.5730	. 1510	10-0354.	.1210	0+01.	.4260	7420	.6220	6:01	E00 1
HCIAN	BTU/ R	FTZSEC	. 7024-03	.6339-03	.6342-03	.9751-03	.8276-03	. 8294-03	50-0701.	.1196-02	.9447-03	.1579-02	. 1489 -02	. 1423-02	50-6696	. 2548-03	.7205-34	.2034-03	746-53	7:77-03	.:255-02	.1051-02	.1732-02	.1710-92
601	BTU/ R	FIZSEC	.5247-03	.4736-03	.4739-03	.7283-03	.6180-03	.6195-03	.7989-03	.8932-03	.7053-03	.1178-02	-1111.	.1060-02	.7238-03	.1934-03	.5390-04	. 1521-03	::308-03	.535!-03	.9357-03	. 7845-03	:1291-02	.:275-02
H(910)	81U/ R	FIRSCC	.6311-03	.5596-03	.5699-03	.8761-03	.7436-03	.7452-03	.9613-03	.1075-02	.8487-03	50-8141.	.1337-02	-1275-02	.8712-03	.2290-03	.6478-04	.1828-03	.1570-03	.6449-03	52-75::	.9440~03	.1555-02	.1535-02
H/HREF	R=TAX		.1610-01	1460-01	.1460-01	.2240-01	1900-01	1900-01	.2460-01	.2750-01	.2170-01	.3520-01	.3420-01	.3260-0!	.2230-01	.5900-02	50-0071.	4709-02	50-000 4 .	.1650-01	.2883-01	.2410-01	.3990-01	.3930-01
HIMEF	R-1.0		1200-01	1090-01	10-0601.	.1670-01	1420-01	1420-01	.1830-01	.2050-01	.1620-01	.2710-01	.2550-01	.2430-01	10-0991	50-0044.	1200-02	.3500-02	3000-05	. 1230-01	.2150-01	.1800-01	.2950-01	10-0262.
H/HREF	R=0.9		.1450-01	.1310-01	1310-01	.2010-01	1710-01	1710-01	.2210-01	10-0745.	1.1950-	.3260-01	.3970-01	.2930-01	2000-01	5300-05	1500-02	50-008h.	.3500-02	10-0941.	2590-01	10-0-12.	.3570-01	3530-01
1/C NO			1.0000	€.0000	3.0000	4.0000	5.0000	6.0000	7 0000	8.0000	9.0006	10.000	11 000	32 339	13.000	14.000	15.000	15 000	523 1	100 555	G::	20 000	5.00. 2	52 333
X/L			.27500	.30000	.32500	.35000	.37500	00004.	, 42500	00054.	.47500	.50000	52500	.55009	.60000	62233	70000	00057	00000	29503	, 4 (A)	39000	33654.	47800
TRACE			1.0000	1.0000	1.0000	1.0000	00001	1.0900	1.0000	1.0000	00001	1.0000	1 0000	1 0000	0000	1 0000	1.0000	1.0359	1.0000	C C C C C	3000 d	S 0000	2.0000	2 0000
3	NUMBER		57	57	57	57	57	57	75	57	57	57	57	57	5,5	57	۲.	57	57	5.7	ŗ.	57	ري ما	57

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DATE 67	57 30 +		CH-74 (AEE)	CA-74 LAEDE V418-BBA) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	HEAT ING D	ATA ON ORE	IITER FUSEL	AGE PORT	3018			PAGE 107	
				0H-74 (AE	04-74 (AEDC V418-88A) 862C12F10H16W127E52V8R19	N 862C12F	OM164127E	52V8R19				(RVB001)	
RUN	TRA, E	x/r	T/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R=TAW	H(910) BTU/ R	HITO) BTU/ R	H(TAM) BTU/ R	000T 81U/ 612GF	DTWDT DEG. R	TW DEG. R	
57	0000 2	53000	23.000	10-0491.	.1280-01	.1720-01	.6725-03	.5589-03	.7486-03	74430	4.929	546.4	
57		.56703	24.303	10-5501.	.8700-02	.1170-01	. 1573-03	. 3802-03	.5089-03	.3020	3.282	9.446	
57	2.1300	.62000	25.200	56-00ah.	50-000h.	5400-05	.2102-03	.1748-03	.2339-03	0651.	1.513	543.2	
רנ	2.3000	.67009	26.000	-1520-22	.1300-02	.1700-02	40-4649.	.5578-04	.7456-04	10-0044	0.4840	547.8	
57	2.0000	.70500	27.000	£0-000 2 .	:1700-02	.2300-02	.8831-04	40-64£	.9921-04	:5900-0:	.5320	541.1	
57	2.0000	.75000	28.000	20-0004	.3300-02	20-0044.	.1727-03	.1437-03	. 1920-03	.1150	1.260	541.0	
57	2.0000	36368.	29.000	3200-02	.2700-02	.3500-02	.1395-03	.:161-03	.1552-03	10-0026.	1.023	541.4	
57	€.0000	.82438	39.005	23-0001,	.8000-03	.1100-02	40-6444	.3698-04	10-1161.	10-0062.	0114.	542.0	
57	3.0000	.20000	31.000	.3170-01	.2530-01	.3530-01	50-6121.	1144-02	.1535-02	0006'	9.515	555.0	
57	3.0000	.22500	32.000	.2600-01	.2150-01	10-0062	.1132-02	.9402-03	. 126: -02	.7420	8.286	549.6	
57	3.0000	.25000	33 000	.2110-01	10-0541.	.2350-01	.9192-03	.7637-03	.1023-02	.6040	6.754	547.6	
57	3.0000	.27500	34.000	1670-01	1380-01	.1850-03	.7259-03	.6033-03	.8078-03	06.4.	5.729	5.5.6	
57	3.0000	30000	35.000	1950-01	.:620-01	.2170-01	.6490-03	.7058-03	.9449-03	.5630	6.926	0.40 0.40	
57	3.0000	. 32500	36.000	10-0675.	.2320-01	.3110-01	.1216-02	-1011	.1354-02	. 08.	9,382	7.07.0	
75	3.0000	.35000	37.300	. 2360-01	16-0561	.2620-01	. 1026-02	.8526-03	50-5411.	.6760	7.841	יילט'י הייה הייה	
57	3.0000	.37500	38.000	.2390-01	10-0551.	.2670-01	.1043-02	.8671-03	1161-02	0889	6.038	3.40.7 Rife 1	
57	3.0000	00005.	39.000	2790-01	.2320-01	.3110-01	.1616-02	20-0101.	50-026	0108.	9.455	0.40.10	
57	3.0000	00004.	000.0 4	10-0002	10-0212.	.6840-01	00-011.	50-040-03	יוברי	0126	0.00 0.45 0.45	0 11	
57	3.0000	. 45000	000.17	10-0462.	2012.	.2830-01	20-8011.	. 921.5-03	1654-50	טומי.	8.54C	7.10.00 7.10.00	
57	3 7.000	50001	0000 M	10-36/17	1450-01	10-0661	. 70707-03	20-6022	UN-1-11	2630	ייים ער אקט ע	7. 4. F.	
ž ú	3.0000	ניילקיב.	100.67	90-0016.	5300-02	60-0007	50-7579	50-3055	3067-03	.1830	7.14	7.57.6	
ה לי	3.0000	55000	65,55	50-00LS.	4700-02	.6300-02	.2462-03	.2048-03	.2739-03	.1630	618	5+2.4	
57	3.0000	60009	45 000	.3500-02	.2800-02	.3707-02	.1457-03	.1212-03	.1620-03	.9700-01	1.053	541.1	
57	3 9900	.65000	47.003	50-0012.	.1800-02	50-0C+2.	.9287-04	.7730-04	.1033-03	:0-0525.	. 5550	5-0-5	
57	3.0000	.70000	48.000	50-0002.	1600-02	.2200-02	+0-65+8	.7074-04	.9450-04	.5700-01	.6250	540.1	
57	3.0000	.75998	49.000	.3:00-02	.2600-02	.3500-02	.1371-03	.1141-03	, 1525-03	.9103-01	0166	540.9	
57	3.0000	00008.	50.000	,ecoo-o.	.1630-02	.2230-32	.9635-04	.7186-04	.9604-04	.5700-01	.6150	541.0	
57	3.0000	.85000	5:,059	.1500-02	.1200-02	.:600-02	40-04E9	.5274-04	,7054-04	10-0024,	.5200	543.0	
57	3.0000	:87563	52.000	20-3061.	.:600-32	-0012.	+D-561 8	.6815-04	.9118-04	. E+30-31	.5710	543.5	
57	3 0000	, 9 0000	53 000	20-0062.	50-00-2	.3200-02	.1249-03	.1039-03	.1390-03	.8300-01	1.150	0.44.0	
57	3.0000	. 92500	54.603	20~00£4.	3500-05	20-0084	20-55B1.	. 1354-03	10-080 0.	000.	0 0	7 3 3 4	
57	3.0000	. 95260	55.000	50-00 5 4.	.3530-02	50-0074.	. 1856-03	50-5401.	60-000p.	. 1630			
53	6000°.	.2003	000.17	10-0515.	10-010-01	. 350.5	50-8661.	50-0011.	00-0001	, ממני מיני מיני			
57	4,000g	.22503	72 050	10-0114	.2550-01	. 5020-0:	1186 06	56-5185.	13:8-02	13.00	0.00	יים או היים או	
57	0000 · z	.25000	73,000	10-0555.	10-05/5.	10-65a2.	20-1211	60-600.	00010000	1000	9.05	1.00. 1.00. 1.00.	
57		006/2	ب د د ا	.6.779.	. 2-0062.	10-0505	1361.03	20-20-1	40-0 H	0200		1 A	
57	0000	30000	25.5 c	15-0515.	10-0002	0-05-6	20-6011	20-C111.	30-E C	מונים.	י מליני ס	7. C. J.	
57	0000	. 36503	000 /4	10-0005.	ים מביב	יים מיים.	20-0211	. 95.55. 0468-03	10-050	1,000	3.3cc 188	יי ה מייני מייני	
57	4.0000	. 355.00	58 CCJ	2330-01	10-07:0	10-0160	50-8101	But 3-03	50-553: 1	954.	9.755 9.755	1,0,1	
<u>ر</u>	0000	0000	000.00	0-000-		10-0661	10.01.	50-0C02	50-5625	3160	1 (C)	1 1 1 1	
n n	0000.1	00004	n 000 0	.0-6011.	.6300-02	.8433-02	.3290-03	.2736-03	.3660-03	.2180	2.856	543.1	
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DATE 0'	DATE 07 OCT 75		OH-74 (AEDC	0H-74 (AEDC V418-88A)	HEATING (HEATING DATA ON ORBITER FUSELAGE PORT	BITER FUSEL	AGE PORT S	SIDE			PAGE 108
				0H-74 (AE	C V418-88	0H-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	IOM16W127E	52VBR19				(RVB001)
å	104.5	X/3	ON 3/1	H/HREF	H/HREF	H/HREF	н(910)	H(10)	H(TAH)	1000	DTWDT	7
G POPP IN		ì	•	6.0	R=1.0	R=TAW	9TU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FTZSEC	FT2SEC	FTZSEC	/SEC	,
2	0000	45000	62.000	5400-05	.4500-02	.6000-02	.2333-03	. 1941-03	.2595-03	.1550	₹.004	542.4
16	. D000	.47500	63.000	50-0004.	.3300-02	20-0044.	.1723-03	.1433-03	.1916-03	0 7 1 1 4 0	1.457	541.7
6	4.7.300	.50000	64.000	.2600-02	. 2200-02	.2900-02	.1137-03	.9458-04	. 1264-03	.7500-01	.9350	541.4
57	3000	52500	65.000	.1600-02	.1400-02	. 1800-02	.7068-04	.5882-04	.7860-04	10-0024	.5820	540.8
i ir	0000	.55000	66.300	.8000-03	.7000-03	.9000-03	.3490-04	.2905-04	.3880-04	.2300-01	.2730	540.3
, ic	0000	60000	67.000	.1100-02	.9000	.1200-02	40-8874	.3986-04	.5323-04	.3200-01	.3590	539.7
, te	0000	65000	68.000	50-00-1.	. 1200-02	.1600-02	.6197-04	.5159-04	+0-0689.	10-0014.	0+84.	540.0
, <u>r</u>	0000	70000	69.000	. 1500-02	. 1200-02	.1700-02	.6530-04	.5434-04	7262-04	.4300-01	0+84.	540.9
, <u>r</u>	0000	75000	70.000	.2500-02	5100-05	.2700-02	.1075-03	.8948-04	.1196-03	.7100-01	. 7960	7. I 70
52	4.0000	.80000	75.000	. 1000-02	.9000-03	.1100-02	40-5644	.3740-04	.5000-04	.3000-01	. 3590	542.1
57	4.0500	.85000	76.000	.1400-02	. 1200-02	.1500-02	.6059-04	.5043-04	.6738-04	4000-01	.4780	540.8
57	4.0000	.87500	77.000	.1200-02	. 1000-02	. 1300-02	.5272-04	.4385-04	.5865-04	.3500-01	. 4580	542.6
57	4.0000	00006	78.000	5800-05	.2400-02	.3200-02	. 1237-03	. 1029-03	.1376-03	.8200-01	1.050	543.7
57	4.0000	.92500	79.000	.5800-02	50-0084	.6400-02	. 2525-03	.2099-03	.2809-03	.1670	₹.064	544.3
57	4.0000	.95000	60 000	.7300-02	.6000-02	.8100-02	.3161-03	.2627-03	.3518-03	. 2080	2.443	545.5

0ATE 07 OCT	ا 100 مو		OH-74 (AEDC	OH-74 (AEDC V418-88A)		DATA ON OR	BITER FUSEI	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	3015			PAGE 109
				OH-74 (AE	0H-74 (AEDC V418-88A) BG2C12F10M16W127E52VBR19	v) BGZC12F	10M16W127E	52V8R19				(RVB001)
ORB1 TEF	ORBITER FUSE, AGE							PARAM	PARAMETRIC DATA			
					BETA	0000.	МАСН	9.000	ELEVON .	. 0000	RUDDER .	. 0000
					••• 1851	*** TEST CONDITIONS***	NS•••					
RUN NUMBER	MACH	ALPHA 066.	PO PS1A	T0 DEG. R	PH1 0£6.	YAW DEG.	T DEG. R	e VISd	0 PS1A	V FT/SEC	RHO SLUGS	MU LB-SEC
87	8.000	19.82	806.5	1341.	0.081	0000.	97.20	.8300-01	3.701	3864.	,7132-04	.7823-07
Ş	RN/L	HAEF	STN NO									
NOTES Y	XIU B	FT2SEC	.0175									
87	3.523	.4750-01	.2150-01									
					:	***TEST DATA***	:					
2	TRACE	x/L	1/C NO	H/HREF	H/HREF	H/HREF	H(9TO)	H(10)	HITAM	1000	DTWDT	7
NUMBER	!			R=0.9	R-1.0	R=TAW	BTU/ R	BTU/ R	BTU/ R	910/	DEG. R	0EG. R
!							FTZSEC	FT2SEC	FT2SEC	FT2SEC	/SEC	
67	1.0000	.27500	1.0000	.1230-01	1020-01	.1370-01	.5847-03	.4851-03	.65;6-03	.3820	3.937	553.8
697	1.0000	. 30000	Z.0000	1100-01	50-0016.	10-0221.	.508-03 4518-03	50-1257	50-4505	מאַסק.	0 m	553.0
6 6	1.0000	. 35000	\$.0000	-00-05-	.7800-02	.1050-01	.4456-03	.3698-03	.4966-03	.2910	3.00+	553.3
87	1.0000	.37500	5.0000	.9600-02	.8000-02	10-0201.	.4556-03	.3780-03	.5076-03	. 2980	3.116	553.
83	0000.1	60004	6.0000	10-0601.	50-0016.	1220-01	5184-03	- 4301-03	.5776-03	.3390	3.462	553.3 553.4
87	0000	00054	8.0000	1520-01	1260-01.	10-0691	. 7203-03	.5976-03	. 8028-03	.4700	*.78+	553.8
18	1.0000	.47500	9.0000	10-0281.	.1520-01	10-0402.	.8707-03	.7221-03	.9705-03	.5580	5.742	555.0
87	1.0000	.50009	10.000	.1670-01	1390-01	10-0961.	. 7942-33	.6589-03	.8851-03	.5:90	5.225	554.0
87	1.0000	.52500	11.000	10-0651.	1320-01	10-0771.	.7543-03	.6258-03	.8406-03	C C C C C C C C C C C C C C C C C C C	4.963	553.9
87	1.0009	55303	000.5	G-CERI.	10.070	יים ביים.	00-1950.	50-10#/.	50-10011	565	5.00.0 5.00.0	15 15 15 15 15 15 15 15 15 15 15 15 15 1
60 0	0000	. 50000	13.000	10-0199	10-0666	וט-נשסכ	50-850:	50-25-03	12 EG11.	. המני כר מני	9.329	555.3
8 6	1 0000	מטטטר.	000	3569-01	.2930-01	3910-01	.1654-02	1380-02	. 1856-02	1.082	10 51	555.6
. 60	0000.1	.75.309	16.000	.5400-01	10-07+4.	.6020-01	.2565-02	-21-5212	.2852-02	1.652	16.71	559.)
87	1.0000	.80000	17.900	.5:80-91	10-0624.	:0-0875.	-24-58-35	.2035-02	50-546	1.595	15 21	552.3
187	2.0000	28500	18.000	:0-07:1.	50-0076.	1300-01	5559-03	.4531 -03	.6135-03	.3520	4.226	554.2
87	2.0000	.33700	19.600	10-0501.	50-00L8.	16-0711.	5005-93	.4:53-03	.5579-03	3273	3.832	554.2
87	2,0003	33000	20.002	.12:0-01	10-010:	10-0581.	.5757-93	.4775-03	.6416-03	3760	607.7	553.9
67	2.0003		500.1≥	1990-01	.1650-01	. 2220-01	.9448-03	M-03	.1053-02	6143	7.160	556.5
97	S 0000	.478CC	22.000	10-0002.	10-0591.	. 2230-01	.9498-03	£0-5,0	- 1050 - C2	.6180	6.847	955.9

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NUMBER	í	×	1,C 76	HIMEF		H/HEE		60.1		3		3
				R=0.9	R-1.0	R-TAW	BTU/ R	81U/ R	81U, R	910/	DEG. R	DE3. R
							FTZSEC	FT2SEC	FTZSEC	FT2SEC	/SEC	
83	2.0000	.53000	23.000	. 3270-01	.2710-01	.3640-01	. 1552-02	. 1286-02	.1730-02	900.	51.15	357.4
9 ₇	€.0000	.56700	₽¥.000	3440-01	. 2850-01	. 38+0-01	. 1634-02	. 1354-02	. 1822-02	1.060	£\$	528.5
69	8. 1300	.62000	25.000	.5200-01	10-00£4.	.5800-01	. 2469-02	- 5044-05	.2755-02	1.594	17.17	561.2
83	2.J000	.67000	26.000	.6800-01	. 5620-01	.7600-01	. 3230-02	. 2671-02	.3608-02	e .069	è. 23	556.5
18	2.0000	.70500	27.000	.4520-01	.3740-01	.5050-01	.2148-02	50-6771.	.2397-02	1.387	14.80	561.5
83	2 .0000	.75000	28.000	.2110-01	10-05/1.	.2350-01	.1003-02	.8319-03	.1118-02	.6550	7.148	554.1
87	2.0000	.80000	29.000	.1690-01	1400-01	1890-01	.8037-03	.66 70-03	.8955-03	. 5260	5.772	552.8
87	€.0000	.82400	30.000	.6100-02	.5100-02	.6800-02	.2900-03	.2407-03	.3230-03	. 1900	2.635	551.8
87	3.0000	. 20090	31.000	.2850-01	.2360-01	.3180-01	. 1355-02	.1123-02	.1511-02	.8800	9.272	557.5
67	3.0000	.22500	32.000	.2240-01	.1850-01	.2500-01	.1063-02	. RB11-03	.1186-02	.6900	7.67:	557.9
87	3.0000	.25030	33.000	.1630-01	.1350-01	1810-01	.7725-03	.6406-03	.8612-03	.5030	5.599	555.8
64	3.0000	.27500	34.000	.1270-01	.1060-01	1420-01	.6054-03	.5021-03	.6747-03	.3950	4.704	554.6
87	3.0000	30000	35.000	.1100-01	.9100-02	.1230-01	.5229-03	.4338-03	.5827-03	.3410	4.204	554.0
87	3.0000	. 32500	36.000	.1180-01	.9800-02	.1310-01	.5592-03	.4639-03	.6232-03	.3659	4.258	554.2
97	3.0000	.35000	37.000	. 1250-01	.1040-01	1400-01	.5959-03	.4943-03	.6641-03	.3890	4.487	554.5
18	3.0000	.37500	38.000	.1350-01	.1120-01	10-0051	.6412-03	.5319-03	.7147-03	180	4.882	554.3
4	3.0000	20004.	39.000	.2170-01	1800-01	.2420-01	.1030-02	.8536-03	50-8411.	.6700	7.848	556.3
87	3.0000	.42500	40.000	.2710-01	.2250-01	.3020-01	.1287-02	::067-02	.1436-02	.8350	9.859	558.1
87	3.0000	00054.	41.000	.2600-01	.2150-01	10-0682.	.1233-02	.1022-02	.1375-02	.8020	9.105	556.5
87	3.0000	.47500	₩2.000	.3100-01	.2570-01	.3450-01	50-1741.	50-6151	-1641-02	0436.	10.55	558.4
67	3.0000	. 5000	43.000	.3770-01	.3120-01	10-0124.	-1191-02	. 1483-02	. 1998-02	1.158	12.79	560.3
87	3.2000	.52500	44.000	.5130-01	.4250-01	.5730-01	. 24 39-02	.2020-02	.2721-02	1.575	18.32	560.9
63	3.0000	.55000	45.000	10-0169	10-0175.	10-0177.	. 3281-02	.2713-02	.3653-02	2.105	23.20	565.2
87	3.0009	.60000	46.000	.6020-31	10-0664	.67.40-01	. 2852-02	.2368-02	.3194-02	1.842	19.83	563.1
63	3.0000	.55000	47.000	10-0752.	10-0761.	.2650-01	.1128-04	.9354-03	.1257-02	.7350	7.759	554.8
18	3.0000	.70000	48.000	1420-01	.1180-01	.1590-01	.6761-03	.5610-03	.7533-03	0244.	4.855	555.8
18	3.0000	.75000	49.000	. 10-0-01	.8600-02	.1160-01	.4949-03	.4107-03	.5513-03	.3240	3.537	555.2
87	3.0000	.80009	50.000	. 8800-02	.7309-02	. 9800-02	.4170-03	.3462-03	.4545-03	.2730	P.917	551.3
64		.85000	51,000	.1170-01	50-0076.	.1310-01	.5573-03	.4626-03	.6209-03	.3650	4.500	552.0
87	3 0000	.B7501	52.000	. 2580-01	.2140-01	.2870-01	. 1224-02	-1014-02	. 1364-02	. 7960	9.795	556.1
87	3.0000	60006.	53.000	.1340-01	1110-01	14-06-01	.6341-03	. 5260-03	.7068-03	07.7.	5.727	554.8
18	3.0000	. 92500	54.000	. 1250-01	10-0401.	10-00+1.	.5948-03	.4935-03	.6629-03	.3980	5.066	553.8
16	3.0000	.95000	55.000	. 1280-01	10-0901.	10-0241.	.6079-03	.5045-03	.6773-03	.3980	.0.	552.6
61	4.0000	. 23030	71,003	.3570-01	. 2950-01	3990-01	.1698-02	.1406-02	. 1895~02	1.094	12.39	562.4
97	4.9300	22522	72.330	.2730-0:	.2250-01	.3050-01	.:297-02	1074-02	1447-02	.8430	9.1.0	550.4
87	4.0000	.25005	73.000	.2070-01	:1720-0:	.23:0-01	.985. 33	.8!68-03	.1399-32	.6390	7.443	558.2
87	4.6000	.27500	74.000	1600-01	.1330-01	1190-01	.7613-03	.63:1-03	.8458-03	. 495C	6.284	556.9
18	a.003€	30000	55.000	10-0921.	1130-01	. 1520-01	.6477-93	.5371-03	. 727: -03	.4220	5.496	555.6
18	3000.	.32500	57.005	.1560-01	.1300-01	.1740-91	.7428-03	.5159-03	.828:-03	.4830	. 295	55¢.:
18	0000 4	35000	58.000	.2780-01	.2300-01	.3100-01	.1320-02	.1093-02	.1472-02	. 9550	-	559.4
6.3	4.0000	.37500	59.000	.3830-01	.3150-01	.4240-01	.1807-02	.1495-02	.2015-02	1.167	15.16	561.0
19	4.0000	00004.	600.09	.5450-01	10-0124.	10-06091	.2591-02	50-4415.	.2893-02	1.656	21.62	553.9
67	0000	20524.	61.000	7910-01	.6530-31	10-0488.	.3757-02	3:04-05	20-6614	2.393	30.95	570.0

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CH-74 (AEDC V418-BBA) HEATING DATA ON ORBITER FUSELAGE PORT SIDE

DATE 07 OCT 75

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SATE 9	DATE 97 CL! 75		0H-74 (AECC V4:8-88A)	V+!B-88A1	HEAT ING E	HEATING DATA ON ORBITER FUSELAGE PORT	HTER FUSEL	AGE PORT S	SIDE			PAGE 111
				CH-74 (AEI	04-74 (AEDC V418-88A) BG2C12F 10M1GW127E52V9R19	4) B62C12F1	.OM16W127E9	52V8R19				(RVB001)
AS .	Tf.A. E	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(T0)	H(TAW)	000T	OTMD7	± 0
NUMBER				ח. ב צ) 	X 4 - *	FT2SEC	FT2SEC	FTZSEC	FTZSEC	/SEC	
87	€ 300°F	00054.	62.000	10-0548.	.7010-01	.9500-01	.4035-02	.3329-02	50-41Sh.	2.551	32.53	574.7
18	0000	.47502	63.000	10-0469.	10-0164	.6640-01	.2823-02	.2332-02	.3156-02	1.798	22.50	569.9
18	4.1300	.50000	64,000	.3490-01	.2890-01	.3900-01	.1660-02	.1375-02	.1852-02	1.07	13 18	560.0
67	4.3000	.52500	65.000	.2290-01	.1900-01	.2550-01	.1089-02	.9019-03	.1213-02	0707.	£69 8	557.1
187	4.0000	.55093	66.000	1830-01	1520-01	.2040-01	.8590-03	.7205-03	.9688-03	.5660	6.594	555.9
87	4.0000	.60000	67.000	1150-01	.9500-02	10-0821.	.5459-03	.4530-03	6083-03	.3570	3.996	553.3
g)	4.0000	.65000	220189	.9300-02	.7700-02	10-0401.	.4417-03	.3666-03	.4921-03	.2890	3.377	552.2
18	4.0000	.70000	960.69	.5600-02	50-00Ch.	.6300-02	.2670-03	2217-03	.2975-03	.1750	₹6.1	551.9
87	0000 +	75000	70.000	.6399-02	.5200 -02	.7000-02	. 2981-03	.2475-03	.3321-03	. 1960	2.170	551.0
£8	4.0000	.80000	75.000	5200-05	. 1830-02	.2400-02	. 1043-33	.8662-04	.1162-03	.6800-01	.8220	550.5
87	0000.4	.85000	26.000	S400-05	50-0002.	.2600-02	.1127-03	.936!-04	. 1255-03	.7430-01	.8740	550.5
87	4.0000	.87500	77.000	.5609-02	50-0064.	.6300-02	. 2675-03	. 2221-03	.2979-03	.1760	2.293	550.6
87	4.0000	.90000	78.000	10-0541.	1210-01	. 16-0291.	.6905-03	.5728-03	.7695-03	.4510	5.811	553.9
87	4.0030	.92500	000 GL	10-0811.	.9800-02	.:320-0;	.5610-03	.4655-03	.6252-03	.3670	4.517	553.3
18	4.0000	.35000	80.000	.4600-02	.3800-02	.5100-02	.2176-03	.1807-03	.2424-03	. 1430	1 669	551.0

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DATE 07 OCT	17 OCT 75		0H-74 (AED)	OH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELACE PORT SIDE	HEATING	DATA ON OF	181TER FUSE	LAGE PORT	SIDE			PAJE 112
				0H-74 1AE	OH-74 (AEDC V418-88A) BG2C12F10M16W12/E52VBR19	A) 862C12F	37,21M91H01.	:52VBR19				(1008VF)
CARBLE TO	OMPLICE FUSELAGE							PARAM	PARAMETRIC DAYA			
					BETA	0000.	МАСН	P 000	ELEVON =	. 0000	RUDDER .	. 0000
					163	***TEST CONDITIONS***	S					
RUN NUMBER	TACH	ALPHA DEG.	PS 1 A	70 DEG. R	PH 1	YAW DEG.	1 DEG. R	P PS1A	o M	, rt/sec	PHO SLUGS	MV LB-SEC
8	9 000	24.89	808.≥	1341.	180.0	.0000	97.20	.8300-01	3.709	3864.	7148-04	/FT2 .7823-07
RUN	RN/L X10 6 /FT	HREF BTU/ R FT2SEC	STN NO R* 0175									
88	3.530	.4755-01	.2148-01									
					:	***TEST DATA***	:					
2	TRACE	x,t	1/C NO	H/HREF	H/HREF	H/KREF	н(910)	н(10)	H(TAM)	1000	DIMDT	3
NUMBER				æ. 6.0	R=1.0	R=TAH	91U/ R	81U/ R	BTU/ R	910/	DEG. R	DEG. R
88	1.0000	.27500	1.000	.1300-01	.1080-61	.1450-01	.6204-03	.5157-03	.6905-03	.4100	1.24.7	546.4
88 8	1.0000	.35300	2.0003	10-0711.	50-0076	1300-01	.5554-03	.4616-03	.6182-03	.3570	3.883	546.9
B 60	0000.1	.35000	3.000G 4.0000	.1.50-01	.9500-02	. 1280-01	50-85/h.	. \$988-03 . 4540-03	. 5041-03	.3600	3.729	547.1
88	0000.1	.3750	5.9000	10-0311.	-9100-05	. 1220-01	.5219-03	.4337-03	£0-6085".	3440	3.611	547.3
e e	1.0500	32554.	7.6305	10-09:1.	.14:0-01	.1890-01	.8049-03	.5585-03	.6121-03	. 3630	3,719	547.1
88	1.0000	145000	8.000.0	.1790-01	10-06+1.	19-0661.	.8515-03	.7073-03	.9482-03	.5500	5.708	549.2
88 8	1.3000	203747	0.000.0	1830-01	.1500-01	.2010-61	.8573-03	.7:20-03	.9546-03	.5540	5.717	5,0,5
8 8	1 0000	. 52550.	11 000	10-0.02.	.1670-01	10-0113.	.9577-03	. 7953-03	.1067-02	0:53.	6.348	550.0
88	1.0000	.55000	12.350	.2340-31	10-0461.	.2609-01	-1111.	. 9224-03	. 1237-02	.7290	7.289	550.9
88	1.3900	00009.	13,000	10-08+2	.2880-01	.3870-01	.1653-02	.1372-02	.1842-02	1.080	10.88	553.9
es o	1.2000		0000	7180-01	. 5950-01	.8513-51	3414-32	5858-02	3338-02	2.211	22.22	559.3
S 88	1.3000	75090	16.003	10-055-5.	10-0465.	.24:0-01	1028-02	. 8531-03	1145-02	.6730	5.1. 5.790	337.0 352.0
88	1.0000	Bocoo	17.303	11:60-01	-9503-02	.1290-0!	.5507-03	.4577-03	.6135-03	. 3530	3.476	552.4
88	2.0000	. 28500	18.000	19-00-11	.1160-01	10-0551	. 5635-03	.55:8-03	.7332-03	.438.	5.15:	544.6
P8	5.0000	33700	19.000	. 1390-01	.1169-01	.1550-01	.6605-03	.5-93-03	.7348-03	.4380	5.159	544.2
60 G	6.0000 9.0000	. 39095 . 39091	20.030 >1 770	.0-080a.	10-0421	.2320-0:	. 9927-03	.8252-03	.1105-02	.6560	7.721	545.3
8 8	2.000.2	30824	22 000	10-0-62	. 2300-01	.3080-01	1315-02	.1093-02	50-494'.	.8670	9.633	9. B. C.

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人名 一年 中間 銀子

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DATE 07	7 001 75		OH-74 (AED	OH-74 (AEDC V418-98A)		DATA ON OR	HEATING DATA ON ORBITER FUSELAGE PORT	AGE PORT	SIDE			PAGE 113
				04-74 (AE	04-74 (AEDC V418-F3A) BG2C12F10M16W127E52V8R19	N 862C12F	10M16W127E	52VBR19				. RVB0011
RUN	TRA, E	X/L	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R=TAH	H(910) BTU/ R	HCTO1 BTU/ R	HITAM) BTU/ R	9001 91U/	DEG. P	76. DEG. R
œ	0000	5300	23,006	.5970-01	.4210-01	.5650-01	FT2SEC .2411-02	FT25EC	.7 25£ C .2687-02	1.574	7.550	554.1
8 8	€.0000 8.0000	.56700	207.48	.8339-01	10-0669	.9300-01	.3960-02	.3277-02	50-1544.	2.548	57.45	563.4
e,	2.r 300	.62003	25.000	.3520-0:	.2920-01	.3920-01	.1673-02	.1388-02	. 1864-02	1.094	₹ 6 11	552.7
88	2.3630	60079,	26,000	1490-01	. 1240-01	.1650-01	.7095-03	5894-03	.7900-03	.4670	5.064	548.7
96	2.0000	Cu3CC.	27.000	11:50-01	20-0095	.1290-01	.5508-03	577-03	.E132-03	.3630	3.901	547.6
ã	2.0000	.75003	23.000	.9100-02	.7630-02	.1010-01	.4330-03	.3600-03	.4819-03	.2850	3.132	545.7
96		.80003	59.003	.8400-02	.7000-02	.9330-02	.3979-03	.3305-03	.4429-03	. 2620	2.889	547.5
86	2.0000	.8240	30.000	. 1800-02	. 1500-02	.2000-0?	. 8682-04	.7210-04	. 0-6996.	.5700-01	.7520	550.1
98	3.0000	20030	31.000	.3010-01	10-0052.	3350-01	. 1431-02	.1188-02	.1595-02	50	9,870	553.8
86	3.3000	22500	32.003	.2570-01	16-0215.	.2860-01	. 1222-02	.1015-02	.130!-02	8030	8.958	549.6
96	3.0000	360Sc.	33.000	1950-01	.1620-01	10-0715.	.9275-03	.7711-03	.1032-02	.6130	6.855	546.1
88	3 0000	CCS-57.	34.000	1500-01	:1250-0:	10-6291.	.7149-03	.5947-03	.7954-03	ロオにま、	5.679	543.8
98	3.0000	.30002	35,309	.1360-01	10-0211.	10-015**	.6464-03	.5378-03	.7190-03	06 2 ₹	5.315	542.8
9 6	3.0000	32500	35.200	1420-01	1180-01	10-05-4	.6735-03	.5603-03	.7492-03	0244.	5.243	543.2
9 8	3.0000	.35200	37,300	.1579-01	1, -0121	11750-01	.7479-03	.6221-03	.8320-03	096×.	€.758	543.6
96	3 0000	.37503	38,000	.2570-01	10-0+12.	.2850-01	. 1222-02	.1016-02	.1360-02	.8080	9.465	545.7
98	C050 E	CC334.	39.000	. 3260-91	.2710-0:	.3630-01	.:550-02	. 1288-02	.1726-02	1.322	12.0.	547.5
38	3 0000	.42500	43 335	.3550-01	30-0-0:	.4670-01	.1739-02	20-4441.	.1937-02	1.142	94.5	550.3
38	3 0000	1,45000	CCC.:#	・じっしきしょ・	3920-01	.5259-01	. 2242-03	.1862-n2	50-7845.	1.472	16.76	F50.4
98 8	3 0000	0000	42.000	10-0789.	5:30-01	.76,0-6.	.3260-02	50-5075.	.3625-02	2.118	23.44	557.
98	3.0000	50005	43.000	10-0-22.	30.0-01	10-0818	.3488-02	.2889-02	.3892-02	₽.25±	24.93	560.6
98	3.0000	.52503	600.44	10-0804.	3380-01	10-046+	.:938-02	.1609-02	.2159-02	1.269	14.82	551.9
8 8		.55000	45 GL)	10-0775.	2330-01	.3080-01	.1319-02	.1095-9 2	. 1459-02	.8673	629	545.8
98	3 0000	600097	46.000	10-05-11	11,90-01	10-06-11	.6780-03	.5634-03	.7547-03	0644.	4.953	547.5
88	3.0000	.65033	47.000	. 8900-c2	.7400-02	20 -0066.	.4243-03	.3527-03	.4723-03	. 2800	ე.6.5	546.4
88		COOCE.	46.000	.6200-02	5200-05	.6900-02	. 2959-03	.2463-03	. 3292-03	. 1950	ري. اعر د	1. t
96		. 180.00		.5:00-02	46.61.39	5600-05	.2411-03	1005-03	50-2892	ე.ც.	1.735	M . + + 10
88		0000B		.2630- 02	2500-05	20-006×	. 1257-63	. 1045-03	1398-03	.8300-01	3166	5.4.5 1.4.10
88	0000 M	0 0	C02 -	500 5-02	4800-08	.5600-02	.6379-03	.1975-03	.2549-03	. 1550	90 cc 1	550.1
88		.B7555	52.00	20-00	NO - 000	20-00+6.	£0-180m.	.3346-03	50-0644.	organ.	5.65.	C. 10C
96	0000 M	0000B	53.000	10-0-8.	- - - - - -	10-025.	.6514	.5405-03	7259-03	. K263	5.900	553.3
88	3000) (dage)	50 30 30 30 30 30 30 30 30 30 30 30 30 30	19-0461.	1980-01	: 5-06:2·	50-B:55.	50-60//	. iosa-ce	. a.a.	ה יה ייה	334.6
69	(1 (1 (1)	31036	56.000	18-0-81	1550-01	. 0-0654.	8903-03	.7356 03	50-1266	.5920	5.86ü	555.
89		20:52	D	. 3710-0:	. 3:53-3		1793-22	.1485-02	- SCC2-05	1.160	† · · ·	: . Dec
68	000	€5562.	72.000	. aero-es.	.3-0522.	.0-03181	3.+8+£¦.	-119-05	. 15514-33	6880	10 26	554.8
88	0000 1	.25005	300 M	.2260-01	:0-089:	.2525-0.	50-5671.	. 8920-03	-1197-02	10±0	8 223	رن د د د د د د د د د د د د د د د د د د د
88	0000	00942	000.40	1875-91	1550-0:	.2583-01	. #900-03	£0-38£6	23-+166	.5830	7.193	in in
88		3000%	56 000	15-0531.	13-06211	10-02017	.7465-53	£155-03	£3+2+ ca	0667.	6.399	<u>ሜ</u> ታው 6
88		() W,	57.800	10-07-51	10-0012	3030-01	13:5-25	1592-32	20-191.	. 95+3	-: 28 -:	550 :
88	3036 #	. 30¢	56.000	4730-01	. 3920 - C:	5670-0.	70-6×22.	.1965-02	.2508-02	1.457	19.12	554.7
8 e		37500		.6853-01	.5653-01	.7510-31	3245-02	.2637-22	3520-05	€.039	27.26	50.4
3	6363 h	00007.	ECC 03	:3-0565.	10-10:17.	10-01931	.2350-02	. 19-8-02	.2513-0 2	1.530	£6 5:	555.8
88	5000°₹	00000	61.00C	.2933 71	.2350-0:	.3:52-0:	1343-02	.1115-02	50-764;	9800 0088	ص * *-	55:.,

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341 HEATING DATA ON ORBITER TUSELAGE PORT SIDE	04-74 (AEDC V415-89A) BGZCIZF10MISWIZ7E52VBR19	T YVHREF HVHEFF H19TO) H1TO) H1TAW) 0DOT DTWDT TW R=1 0 R=1AW BTV/R BTV/	1) 1100-01 1880-01 8036-03 6674-03 8943-03 5280 6 818 549.9	7 - 1-02 300-02 135-03 135-0-03 174 10-03 135-0-03 144 150 150 150 150 150 150 150 150 150 150	. 777.5 0255. \$0-2088 \$0-039.585. \$0-1145. \$0-000 5'-000'	2 .7100-02 .3053-03 .2537-03 .3399-03 .2010 2.353	. 5400-02 .2307-03 .1917-03 .2568-03 .1521 . ()	, 000 0c . 4000-02 . 1721-03 . 1431-03 . 1916-03 11 04 .	0677. 10-0007. E0-1011. 40-058g. E0-1801. 50-0055. 50-0061.	0909. 10-0052. 40-0818. 40 38. 40-09L8. 50-00W1. 40-0041	. 30-00 10-0085, +0-8889, +0-3255, +0-8188, 50-00 -0051.	1800-03 . 6500-03 . 1051-03 . 87304 . 1169-03 . 6900-01 .	.2600-02 .3500-02 .1510-03 .121581-03 .1000+00	. 4600-02 . 6200-02 . 2634-03 . 51-4-3 . 2932-03 . 1730 . 2-4-0	. 6200-32 . 8300-62 . 3551-03 . 675. 57. 628. 50-0358.	57. 16700-02. 19000-02. 3850-03. 319F-C3. 4288-03. 2550
AGE PORT SIC	52VBR19	***				•	•	٠	٠	٠	•	•	•	•	•	•
BITER "USEL	TOMICMIZATES	H(910) BTU/ R FT2SEC	.8036-U3	· 238-03	.3417-03	.3053-03	.2307-03	.1721-03	.1061-03	۰۵-09-6.	.8813-04	.1051-03	.1510-03	.2634-03	.3551-03	.3850-03
DATA ON OR	A) BG2C12F	H/HPSF R*1AW	1880-01	3900-02	3000 -05	.7100-02	5400-05	50-0004.	.2500-02	.1070-02	30-05	-6500-05	.3500-02	.6200-02	.8300-92	.9000-02
	DC V41E-B9	4/HREF R=1 0	10-00*1	02	5 '-000'.	۱	r Ş	. 301 Oc	-1900-62	1400-05	-1500-	. 1800 - (E	-2600-02	-4600-02	.6200-32	.6700-02
C V418-88A1	0H-74 (AE	H/'4REF	10-0691.	50-0068.	.7200-02	.6400-02	4900-05	3650-02	.2200-02	1700-03	1900-02	.2200-02	. 3200- 02	.5500-02	.7500-02	.8100-02
0H-74 (AEDC		1/C NO	62,230	64.000	55.000	99.00	67.000	68.900	C9.000	70.000	75.900	76.006	77.000	78.000	79.000	80.000
		x/L	45900	50005.	.52506	.55000	.60300	.65000	.70000	50057.	06308.	.65000	005/0.	00006.	92500	.95000
DATE 07 OCT 75		TRATE	4.0900	0000.1	2000	4 0,00	۴.000 م	4.0000	4,0000	4 0030	4,0000	4.0733	۲, 0000	4.0000	4.3000	0000.
DATE		RUN	88	n d		88	83	88	88	88	88	88	88	38	68	68

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DATE 0'	DA1E 07 OCT 75		CH-74 (AEDC V418-98A)	, V41B-98A)		DATA ON OR	BITER FUSE	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	SIDE			PA3E 115
				OH-74 (AE	04-74 (AEDC V118-68A) BE CLEFIOMIGWI27E52VBR19	A) BE CIZE	10M16W127E	52V8R19				(1008A)
ORBITER	ORBLIER FUSELANE							PARAM	PARAMETRIC DATA			
					BE 7A	0000.	MACH	· 8.000	ELEVON .	0000.	RUDDER .	0000.
					••• 18.5	***TEST CONDITIONS***	•••					
RUN NUMBER	MACH	ALPHA DEG.	P0 P51A	TO DEG. R	PH1 050.	YAM DEG.	T DEG. R	P PSIA	0 PS1A	V FT/SEC	RH0 SL UGS	18-5EC
68	8.000	29.86	907.0	1343.	180.0	0000.	97.30	.8300-01	3.703	3867.	7126-04	7835-07
S.	RN/L	HREF	STN NO									
NUMBER	X10 6 /FT	BTU/ R FT23EC	R. .0175									
68	3.517	.4753-01	.2151 01									
					:	***TEST DATA***	:					
2	TRACE	X/L	1.C NO	J2XH/H	H/HREF	H/HREF	H(910)	H(10)	HCTAH	1000	DTWDT	3
NUMBER				R=0.9	R. I. O	R-TAH	BTU/ R	81U/ R	BTU/ R	970/	DEG. R	DEG R
;							FTZSEC	FT2SEC	FT2SEC	F125EC	/ SEC	i
0 0 0 0	1.0000	30000	1.0000 2.0003	.1460-01	10-0-01	.1620-01	.5933-03	,5765-03 ,4931-03	.6603-03	395. 3995.	4,154	547.1 1047.10
68	1.0000	.32500	3.0000	10-0811.	.9800-02	.132 -01	.5620-03	.4671-03	.6255-03	.3720	3.808	547.6
68 8	00000.	35000	4.0000	1160-91	50-0056,	1294 01	.5508-03	.4577-03	.6131-03	.3640	3.763	548.0 547.0
8 8	1.0000	00004.	5.000	.1950-01	1630-01	.2180-01	.9301-03	.7727-03	.1035-02	.6130	6.281	5,49.8
68	1.0000	. 42500	7.0000	1890-01	1570-01	.2100-01	.8963-03	.7444-03	.9981-03	. 5900	6.034	550.4
8 8	1.0000	.45000	8.0000	10-0681	1570-01	10-0115.	.9993-03	. 7470-03	. 1001-02	.5920	6.032	550.3
n 50	0000	. 50002	000.0	. 2220-01	. 1840-01	.2470-01	.1053-02	.9746-03	50-5711	. 5930	6.991	550.9
68	1.0536	. 52500	11,000	.2520-01	10-0502.	.2900-01	.1195-02	.9930-03	.1332-92	.7850	7.920	552.2
68	0000:	.55000	12.000	10-0018	:0-0755.	.3450-01	-1472-02	. 1222-02	.1539-02	.9550	9.659	552.:
£ (1.000.	. 69000	13.000	.4230-01	.3510-01	.4720-01	50-1105.	50-7991.	50-5452.	1.309	- 12 - 12 - 13 - 13 - 13 - 13 - 13 - 13 - 13 - 13	557.7
, g	0000	00000	15,000	. 5530-01	10-0605	10-0284	20-4041	20-6121	1342-02	7880	3.00c 7.565	554.5 554.0
68	1.0500	,75000	15.000	14-9541.	1200-01	1510-01	.6674-03	.5709-03	.7555-03	.4530	4.56e	ر روان روان روان
68	1 6333	.80000	17 090	5100-05	-42CD-02	.5600-02	.2410-03	.2002-03	.2584-03	. 1590	1.532	550.5
68	2.0000	.28500	19.000	.1530-0:	10-075:	10-0041.	.7249-03	.6025-03	.80:38-03	05/4.	5.612	547.3
6	5 5000	.33769	19.000	10-082:	10-0901.	10-02-11	.6061-03	.5040-03	.6745-03	0504.	£ . 28	545.2
8	2.0000	39000	87.550	.2500-01	. 2080-01	.2789-01	.1187-02	.9832-03	321-32	.7840	9.223	548.2
68 g	2.0369	00354.	32.330	. 2590-01	10-0715.	.2870-01	.1227-02	-1019-02	7,1366-02	.8383 .557 !	9.438	ות ת כיור ביני
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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

PATE 07	27 130 TO		OH-74 (AEDO	OH-74 (AEDC V418-BBA)	HEAT ING C	DATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT		3018			PACE 116
				0H-74 (AE	0H-74 (AEDC V418-88A) 862C12F,0M16W127E52V8R19	N BS2C12F	OM164127ES	52V8R19				(478001)
S S	TGATE	×''L	1/C NO	H/HREF	H/HREF	H/HREF	H(970)	н(10)	H(TAW)	1000	DIMDI	3
NUMBER				٨٠٥.9	R-1.0	R-TAM	BTU/ R	8TU/R	8TU: R	BTU/	DEG. R	DEG R
							FTZSEC	FT25EC	FT25EC	FTZSEC	735/	:
68	2.0000	.53000	23.000	4140-01	.3430-01	.4610-01	. 1968-02	.1532-02	-2193-02	1.284	52.2	555.9
68	0000 ح	. 56700	000 ⋅ ₹	.2700-01	. 2240-01	.3010-01	. 1284-02	.1066-02)-0£41.	.8430	9.123	552.
68	2.5.000	.620:30	25.000	. 1690-01	10-00+1.	. 188c - 01	.8025-03	.6565-03	.8939-03	. <u>1</u> 529.	5.718	£50.9
68	2.3000	.670.30	26.000	.1130-01	.9400-02	.1250-01	.5374-03	.4466-03	.5982-03	.3550	3.848	548.3
83	2.00.3	.70500	27.000	.8600-02	.7100-02	.9500-02	.4073-03	.3386-03	.4533-03	.2700	5.857	546.9
68	2.0000	.75000	28.630	.6200-02	.5100-02	50-0069 .	.2930-03	.2437-03	. 3260-03	0.61.	2.132	545.4
68	2.0000	.80000	29.000	.3800-02	. 3200-02	.4300-02	. 1820-03	. 1513-03	. 2026-03	.1200	1.327	546.8
68	2.0300	.82490	30.000	-1700-02	.1400-02	. 1900-02	.8200-04	.6813-04	-9130-04	.5400-01	.7510	5.945
68	3.0000	.20000	31.000	.3219-01	.2660-01	.3580-01	. 1526-02	. 1266-02	.1701-02	.9950	10.50	556.4
68	3.0000	.22500	32.000	.2680-01	. 2220-01	. 2980-01	. 1272-02	.1055-02	-1417-02	04.28.	9.291	553.0
68	3.0000	.25000	33.000	.2080-01	1730-01	. 2320-01	.9888-03	8214-03	.1101-02	.6520	7.275	549.7
68	3.0000	.27500	34.000	.1630-01	.1350-01	. 1820-01	.7756-0	. 6 +47-03	.8631-03	.5:30	6.139	5,6.9
68	3.0000	. 30000	35.000	.1410-01	.1170-01	1570-01	.6698-03	.5570-03	.7454-03	0444.	5.489	545.9
83	3.0000	.32500	36.000	10-08+1.	10-0221	10-0491.	.7020-03	.5837-03	.7811-03	.4650	5,451	545.8
ე ₀	3.0670	.35000	37.000	.2520-01	.2090-01	.2800-01	50-7511.	.9948-03	.1332-02	2187.	9.167	547.5
68	3.0000	.37500	39.000	.3250-01	.2700-01	.3620-01	. 1543-02	.1232-02	.1718-02	1.018	11.90	549.2
83	3.0003	40000	39.000	.3000-01	.2490-01	.3340-01	.1427-02	.1185-02	.:589-02	00+6.	11.05	550.1
68	3.0005	.42500	40.000	.3150-01	.2630-01	.3520-01	. 1503-02	در 8451.	.1674-02	.9990	11.67	551.3
68	3.0000	. 45000	41.000	.4320-01	.3580-01	10-0184.	. 2051 -03	.1702-02	.285-02	1.344	15.28	553.6
83	3.0000	.47500	42.030	.2580-01	.2397-01	.3210-01	.1369-02	.1135-02	. 1524-02	0006.	₹86.6	551.4
68	3.9099	.50000	43.000	10-0642.	.2060-01	.2770-01	.1182-02	.9812-03	.1316-02	0777.	8.624	551.1
83	3.0000	.52500	44.000	.1660-0:	.1380-01	.1850-01	.7890-03	.6555-03	.8785-03	.5900	6.095	549.8
82	3.0000	.55000	45.000	. 1280-01	.1370-01	.1430-01	.6100-03	.5068-03	.6791-03	.4030	4.475	548.6
68	3.0000	.60000	46.000	.7800-02	.6500-02	.8700-02	.3724-03	. 3095-03	£0-4414.	.2460	2.672	547.6
68	3.0000	.65000	47.000	.5200-02	20-0044.	.5800-02	.2487-03	.2068-03	.2767-03	. 1650	756 6	546.2
6	3.0000	. 79900	48.000	₹300-05×.	. 3600-02	- ABCO-05	. 2045-03	. 1701-03	. 2275-03	. 1360	- 495	0.0 0.0 0.0
68	3.0000	.75030	49.000	-00082	.2100-02	. 2800-02	.1175-03	.9776-04	.1307-03	10-00BL	0648.	D. F. F.
6	3,0000	. 80000	50.000	.2800-02	.2400-02	. 3200-02	. 1349-03	.1122-03	.1500-03	10-0006	0858.	51 · 63 · 64 · 64 · 64 · 64 · 64 · 64 · 64
6	3.0000	.85000	51.000	50-00/2 .	. 2200-02	. 3000-02	. 1271-03	. 1056-03	1415-03	10-00-8	1.035	3.646
6	3.0005	.87501	52.000	-000-05	.2100-02	-5800-05	. 1208-03	.1003-03	. 1345-03	.8000-01	0:86	550.3
6	7.0000	. 90000	53.000	3300-05	.2800-02	.3700-02	.1584-03	.13:6-03	.1764-03	0.50	# i	9,000 1000
68	3.0000	. 92500	54.000	30-000h.	.3300-02	- 4500-024°	. 1903-03	.1583-03	. 2120-03	ະ ເຄັນ	.036	7. 70.0
68	3.0000	.95000	55.000	20-000m.	.3300-62	20-0044	.1889-03	. 1558-03	.2103-03	0,51	1.254	551.0
68	₹.0000	. 20000	71.000	3740-01	.3090-01	:0-0214.	1776-02	50-1741.	.:982-02	641.1	3.00	562.
66	£.623€	.22533	72.300	.2830-01	. 2350-01	.3160-0:	.1347-02	.1117-02	.:508-52	.8780	19.23	556.9
66	4,0000	. 25500	73.000	10-0402	10-0691	.2280-0;	.9707-03	.8054-03	.1082-02	.6350	7.4::	15. 15. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10
68	4.0000	.27500	74.000	2120-01	10-0941	.2350-01	.:508-02	. 8368-03	.1:23-02	. 56. 3	8.145	153.C
8	4.0000	30002	55.000	19-0202.	12-06911	.2250-01	.9662-03	.8027-03	.1076-C2	.6370	8.324	5.040
68	4.0000	.32500	57.000	.3730-01	10-0418.	.4550-01	.:802-02	20 - hōn I .	50-800 2 .	1.178	:5.35	555.0
63	4.0000	.35000	58.003	10-0704.	.3389-0:	12-0-54	50-6261.	. 1604-02	.2159-02	1.863	16.45	557.
66	4.0000	37500	29 000	.2450-01	10-0402	.2740-01	.1169-02	.9709-03	.1302-02	.7680	10.03	551.6
66	4.0000	3000A	60.009	.2120-01	10-09/11	.2350-01	.1006-52	.8352-03	CO-0211.	6:99.	8.63:	55. S
60	4.0000	.42500	6: 203	13-0681	.1150-03	15-0-61	.6593-03	.5476-03	.7341-93	C # # 3 .	5.674	550.3

A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	
04-74 (AEDC V418-88A)	
DATE 37 16.1 75	

PACE 117

HTMALP HTGTOI HTTAN) HTTAN) 000T HTMALP HTGTOI HTTAN) 000T F125CC F125CC F125CC F125CC 1020-01 4336-03 3502-03 4827-03 286C 3254-03 2704-03 3623-03 2150 5900-02 3254-03 2704-03 3623-03 2150 5900-02 255-03 1038-03 2395-03 1420 1400-02 1884-03 1566-03 2097-03 1250 1500-02 1884-03 1566-03 2097-03 1250 1500-02 1884-03 1526-04 5897-04 5800-01 1500-02 4117-01 3423-04 4591-04 5700-01 2000-02 6783-04 5639-04 1590-03 4500-01 2500-02 11818-03 1284-04 9662-04 5800-01 2500-02 1231-03 1189-03 1293-03 1200-01 2500-02 1231-03 1189-03 1200-03 6500-01 2500-02 1252-03 1260-04 1200-03 6500-01 2500-02 1252-03 1260-03 1200-01 2500-02 1252-03 1250-03 1200-01 2500-02 1252-03 1260-04 1200-01 2500-02 1252-03 1260-04 1200-01 2500-02 1252-03 1200-04 1200-01	•		9		0H-74 (AE	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	A) 862C12F	10M16W127E	52V8R19	ı			15VR0013
######################################		I/C NO H/HREF	NO H/HREF		ĭ	H/HREF	H/HREF	H(910)	Ĭ.	H(TAM)	0001	DIMDT	ጟ
FIRSEC FIRSEC FIRSEC FIRSEC FIRSEC FIRSEC FIRSEC FIRSEC FIRSEC FIRSEC FIRSEC FIRSEC FIRSEC FIRSEC FIRSEC JEGO	= bt	•	•	•	۵r	3=1.0	R-TAW	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEC. R
. 1020-01								FIRSEC	FT2SEC	FTRSEC	FIRSEC	, SEC	
. 7500-02	50-016, 000 55 000 24.	50-016. 000 53			۲.	500-05	•	.4336-03	.3502-03	.4827-03	.2865.	3.696	548.9
.5900-02	- 147500 E. 000 .68P1-02	6. 000 ,68r '-02	000 .6gr - 02		ŗ	5700-05	•	. 3254-03		.3623-03	.2150	2.730	548.3
. \$500-02	. 50000 64 000 .5300-12 .	. 51-3058 5300-32	. 53-0056. 000	•	3	4400-05	5900-05	.2502-03		2785-03	059:	₹40.2	547 7
7800-02 (1834-03 (1556-03 (2097-03 (1250 (1459 (. 57500 65,000 .4500-72	. 57-0084. 000.43	. 4500-72	٠	39	3900-05	50-0505.	.2151-03		. 2395-03	0251.	155	548.:
.2900-02	_0-000+; 65.000 es.	_D-000+' 600.39	_3-06641		.33(3300-02	•	. 1894-03	.1556-03	.2097-03	1250	0.13 t	547.5
. 1502-02	50-0092 000 L9 C0009.	67 500 2600-02	2600-02		.220	0-02	•	.1231-03	.:023-03	50-0781.	8152-01	9150	547 1
.1000-02 .4117-0' .3x23-04 4591-04 .2700-01 .3040 .2000-02 .4685-04 .7224-04 .9062-04 .5800-0, .5420 .1000-02 .6783-04 .5639-04 .75x8-04 .4500-0; .5420 .3300-02 .1431-03 .1189-03 .1592-03 .9050-01 .721 .2600-02 .1118-03 .9287-04 .11244-03 .7400-01 .9050 .2000-02 .9989-03 .1074-03 .1439-03 .8500-01 .053 .1000-02 .6790-04 .5540-04 .7561-04 .4500- : .5230	50-0021. 000 89 00059.	50-001. 1300-05	. 1300-02		110	1100-05		.6367-04	.5293-04	.7385-04	10-3024.	3464.	546.3
.2000-02	. 20-0008. 000.83 0007.	. 50-0000 .9000-03	. 9000-03	•	.700	7000-03	.1000-02	10-1114.	.3423-04	4591-04	.2720-01	04027	545.5
.3500-02 .6783-04 .5639-04 .7548-04 .4500-01 5400 .3500-02 .1411-03 .1199-03 .1592-03 .9500-01 .121 .2500-02 .1118-03 .9287-04 .1244-03 .7400-01 .9650 .2500-02 .9989-04 .8300-02 .1115-03 .8500-01 .1053 .1439-03 .8500-01 .1053 .1439-03 .8500-01 .5530 .1600-02 .5790-04 .5540-04 .7561-04 .45002530	. 18JC-02	. 50-0.81. 000.0r	. 18JC-02	•	.150	1500-02	.2000-02	3695-04	.7224-04	+0-2936.	.5830-0.	.5420	544.5
.3300-52 .141-03 .1189-03 .1592-03 .9500-01 12] .2600-52 .1118-03 .9287-04 .1244-03 .7400-01 .9650 .2300-02 .9989-04 .8302 .90 .1112-03 .6600-01 .8520 .3000-62 .1252-03 .1074-03 .1439-03 .8500-01 1.053 .1600-02 .5790-04 .5540-04 .7561-04 .45005530	. 90cc0 75 000 . 1400-02	. 50-00-11. 000-02	. 1400-02	•	. 120	1200-02	.1600-02	.6783-04	5639-04	40-845L.	.4500-01	2430	546.3
.2600-02 .1118-03 .9287-04 .1244-03 .7400-01 .9650 .2300-02 .9989-04 .8300 .04 .1112-03 .6600-01 .8520 .3000-02 .1292-03 .1074-03 .1439-03 .8500-01 1.053 .1600-02 .6790-04 .5540-04 .7561-04 .45005530	. 50-0305	. 50-00053000-02	. 3000-02	•	. 250	2500-02	.3300-02	.1441-03	.1189-03	.1592-03	10-0056.	10.1	546.3
.2300-02 .9989-04 .8302 04 .1112-03 .6600-01 .8520 .3000-02 .1292-03 .1074-03 .1439-03 .8500-01 1.053 .1600-02 .6790-04 .5540-04 .7561-04 .45005530	. 50-0045. 000.77 005400.	. 50-00+5. 000.77	. 59-00-62.	•	. 2000	50-0005	.25cg-32	.1118-03	40-7856.	. 1244-03	10-0046.	.9650	548.3
.2000-02 .1292-03 .107-03 .1439-03 .8500-01 1.053 .1600-02 .6790-04 .2540-04 .7561-04 .4500		. 50-0015, 200.05	. 50-0015.	•	.1700	20-	-3300-05	+0-6866·	46 03EB1	.1112-03	.6600-01	.8520	548 3
. 1600-02 . 6790-04 . 40-0467 . 40-0463 . 40-0973 .		. 50-0073. :00.67	. 500-05.	•	.2300	€n-(.3000-02	.1292-03	10703	.1439-03	.8500-01	1.053	548.3
	. 95000 80.000 .00039.	80.000	. 90-02	•	. 120	1200-02	.1600-02	+0-0679.	+0-0+55.	.7561-04	. 4530- :	.5230	549.3

0H-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	CM-74 (AEDC V418-88A) B62C12F10M15W127E52V8R19	PARAMETRIC DATA
DATE 07 OCT 75		ORBITER FUSE, AGE

大学者とう へんこうないか けいかのけいこうない 一日のから しょうちょう

(RV900)) 911 30Yo

. 9000	HU LB SEC // T2	7841-07				
RUDDER 00000	RHO SLUGS /FT3					
ELEVON	V FT/SEC	3869.				
	O A1S9	3.710				
8.000	PSI A	.8300-01				
MACH	T DEG. R	97.40				
BETA0000 H	YAW DEG.	0000.				
BETA •••1ES	PH1 0E6.	180.0				
	10 DEG. R	1344.				
	Po PSIA	¥.808	STN NO	å	.0175	.2151-01
	ALPHA OEG.	34.97	HREF	81U/ R	FTZSEC	10-8574.
	MACH	8.000	RN/L			3.519
	RUN NUMBER	06	35 \$2	NUMBER		06

	3	0EC. A		548.1	548.0	547.7	547.9	540 4.040	549.4	5,640	550.1	55: 4	551.2	S S S	552.5	554.2	554.	550 7	548.6	 	54B.:	#. (# 0	5,8.5	กู้ เก	550.2
	TOMIC	DEG. R	/SEC	5.350	4.623	3.625	4.21!	5.729	5.515	4.528	6.357	7.403	7,391	9.923	. i. co	9.459	66 . 0 .	3.957	787	ひとまま	5.950	749	8 917	8.543	₹6 C1
	1000	810/	FT2SEC	.4880	.4370	. 354C	3404.	5470	.6469	. 438g	.6250	7300	.7330	C+96.	1.199	.9390	1.09:	0704.	170	10-0094	.5010	. 488C	.7580	.7390	0126
	H(TAW)	BTU/ R	FTZSEC	.5218-03	.7345-03	.5949-03	.6850-03	. 9217-03	50-0301	,7396-03	.1055-02	.1236-02	. 1239-02	.1567-02	. 189: -02	.1595-02	.1855-02	.6684-03	.2979-03	17724-04	. A4 17-03	.8209-03	52-7751.	.1245-02	.1572-02
	H(10)	BTU/ R	FT2SEC	.6136-03	.5485-03	.4442-03	.5115-03	.6879-03	.8131-03	.5512-03	.7873-03	.9216-03	.9240-03	.1242-02	.1402-02	.1189-02	. 1381-02	.5135-03	. 2224-03	5765-04	.6292-03	.6132-03	.9533-03	. 9295-03	1173-02
•	н(910)	BTU/ R	FT2SEC	.7383-03	.6593-03	.5345-03	.6154-03	.8279-03	. 50-7876.	. 6634-03	.9477-03	.1110-02	.1113-02	50-8641.	. 1688-02	.1433-02	.1655-02	.6192-03	.2675-03	.6939-04	.757!-03	.7376-03	50-6411.	20-6:1:	.1412-02
**************************************	H/HREF	R=1AH		.1730-01	10-0451.	.1250-01	10-0441.	10-0+6:	.2291-01	10-0-21.	. 2220-01	.2500-01	.2500-01	.3500-01	.3950-01	.3360-01	10-0068.	10-0541	.6300-32	50-0591.	1779-01	1730-01	.2680-01	.2620-01	3300-01
•	H/HREF	9-1.0		.1290-01	1150-01	-0300-05	.1080-0:	1450-01	10-0171.	1160-011.	1650-01	19-0-61	19-0-61	.26:0-01	. 2950-01	.2500-01	.0-0065.	.1083-01	50-05th.	. 1200-02	.1320-01	10-0621.	.2050-01	.1950-91	10-0745.
	H/HREF	8-0.9		.1550-01	1390-01	.1120-01	1293-01	10-0+4:	.2069-01	10-0621.	10-0661.	.2330-01	10-2488.	3140-01	.3550-51	.3010-01	.3505-01	1300-0:	.5600-02	.1500-02	1590-01	1555-01	10-0:42	.2350-01	2970-01
	0V 0/1	•		1.0900	2.0000	3,000	4.0000	5.0000	6.0000	7.9900	0000 8	9.0006	003.6.	060:::	12.000	13 000	000	15 000	16 600	17,000	18,000	19,000	20.530	230.15	22.000
	, ×	,		27500	30005	.32503	35000	.37500	10001	.42503	00054.	47500	50000	.52530	55000	20009.	00000	30005	2005.	00000	28500	06588	39000	42600	0.3874.
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DATE 0	07 001 75		0H-74 (AED	0H-74 (ALOC V41B-BBA)		DATA ON OR	HEATING DATA ON ORBITER FUSELAGE PORT	LAGE PORT	SICE			PAGE 119
				OH-74 (AE	04-74 (AEDC V418-88A) BG2C12F10M16W127E52V8R19	A) B62C12F	10M16W127E	52VBR19				(RV8001)
25	TRALE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	HI 10)	HITAM	4000	DTMDT	3
NUMBER				R±0.9	R*!.0	R-TAW	BTU/ R	BTU/ R	BTU, R	970/	DEG. A	DEG. R
ć	0		600	i			FT2SEC	FTZSEC	7.72SEC	FIZSEC	/SEC	,
o c	0000	56700	78.000 94.000	10-0126	יים בסומים	3690-01	50-8001.	50-7/\$1.	20-B+8:	683.1	12.07	553.6
6	0000	ממימים.	0000	10-006.	10-00-0	. 5050-01	00 - : 50 · 0	50-5701.	50-65-1.	90 58 .	961.6	551.5 6.155
6 6	000.4	67000	75.003		10-0841.	10-0851.	50-704-65	21054-03	50-8246.	.5580 0.90	6.049	550.2
3	0000	00000	7.000	39-03-5	20-0000	20.000.	50-55-5	50-0-15.	50-5004.	0:02	י נעק	5,6,6
P 6	2.0000	00057	23.15	20-00-60	50-056	20-001/	50-63-6	50-4:05.	. 5354-03	11127. 06-0-01	2.157	و. بران م
06	2.0000	B0000	29.000	50-00£6.	20-0001	50-1056	£0-6201	8971-04	. 100 - 100 t	10-0200	1000	0.44.0
06	≥.0000	.82400	30.000	1300-02	50-05:1:	1500-02	40-6668.	40-0x25	7004-04	10-0061	0807.	0.00.0 - 0.00
90	3.0000	.20000	31.000	.3290-01	10-0275.	.3670-01	. 1564-02	50-7621.	- 1747	1.020	10.01 RC-01	7.7.7.
90	3.0000	.22500	32.300	.2793-01	.2310-01	.3110-01	.1326-02	50-1011.	50-8-41.	.8590	9.69r	554.1
96	3.0000	.25000	33.000	10-09:2	:1790-0;	10-0045.	.1025-52	.8525-03	.1143-02	.6760	3.545	550.7
90	3.0000	.27500	34,009	10-0691.	.1400-01	10-0881.	.80:7-03	.6653-03	.8923-03	.5300	6.339	5-8.1
66	3.0000	.30000	35.000	10-0041.	.1150-01	.1550-01	.6659-03	.5537-03	.7410-03	0244.	5.459	5-6.5
06	3 0000	.32500	35.000	.2030-C1	10-0691.	.2250-01	.9653-03	.8033-03	50-8701.	6400	7.487	5-7.6
06	3.0300	.3505£	37.000	.2830-01	.2350-01	.3:50-01	.1345-02	.1118-02	50-7841.	.8890	10.29	5-8.7
90	3.0000	.37500	38.000	10-0075.	. 2240-01	3000-01	. 1283-02	.1057-02	. 1429-02	.8483	9.919	5-8.9
06	3.0900	000041	39.000	10-0115.	1750-01	.2340-01	.1002-02	.8328-03	1115-02	.6630	7.794	5-8.3
90	3.0000	. 42500	40.000	.3820-01	3:70-01	.4250-01	. 1818-02	.1509-02	. 2025-02	1.193	14.07	55.3.4
90	3.0000	.45000	41.000	.3010-01	. 2500-01	.3350-01	.1432-02	.1189-02	.1594-02	3450	9,00	549.8
06	3.0000	.47500	42.00¢	.3:50-01	.2610-01	.3500-01	. 1497-02	. 1243-02	.1667-02	.9850	10.93	551.5
06	3 0000	. 50000	43.000	.2650-01	.2200-01	. 2950-01	. 1260-02	.1046~02	.1403-02	.8300	9.214	550.7
93	3.0000	. 52500	44.000	1650-01	.1370-01	1840-01	.7845-03	.6520-03	.8733-03	.5190	6.072	548.2
06	3.0000	.55090	45.00C	.1310-01	10-0601.	.1450-01	.6251-03	.5195-03	.6957-03	0111	4.602	547.5
06	3.0000	. 62000	46.000	.7600-02	.6400-02	.8500-02	.3633-03	. 3021-03	4043-03	0142.	2.616	546.2
06		.65000	47.900	. 5200-02	4300-C2	50-0015.	.2451-03	. 2038-03	.2727-03	.1630	3.726	545.3
06	3 6300	.70000	48.000	3100-05	.2600-02	.3400-02	.1468-03	. 1221-03	1633-03	10-0086	: 077	544.3
90	3.0300	.75203	49.000	2500-05	.2100-C2	. 2800-02	.1185-03	40-5986	.1319-03	10-0064.	8580	5+3.9
06	3 0000	. 60000	50.000	.2000- 02	. 1700-C2	.2300-02	.9632-04	.8013-04	.107!-03	10-0049.	. 6860	5+4.5
06	3.0000	.85000	51.030	20-00+1.	.1200-02	.:600-02	.6559-04	. 5534-04	.741:-04	10-0655.	. 5440	548.3
O6 :	3.0035	.87529	52.000	-1900-05	.:600-62	-2100-05	.936:-04	.7528-04	.1009-03	.6000-01	.7380	1.6±8
06	3.0000	00006.	53.032	. 1503-08	.:330-02	-1700-05	.7361-04	,6115-04	+6-95.8°	10-0064.	.6740	549.7
80	3.000	. 92500	54.090	50-0061.	.1600-02	.2200-02	40-8425.	.7680-04	.1029-03	10-0019.	0,567	550.1
06	3.0000	.95300	5£ 000	. 3900-05	. 3200-02	5C-00 E 4.	.1848-03	.1535-03	.2058-03	.:220	1.230	550.4
06	4.0000	.2000.	71.000	.3500-01	.2900-01	10-0168.	.1666-32	.1360-02	::e50-c5	6.3	12 20	562.7
06	4.000c	.2555.	72.000	.2760-01	10-6622.	.3080-0!	13:5-25	-1001.	.1457-02	.6573	+86 6	557.8
06	. 0000 .	.25000	73.002	.2190-01	.1820-01	10-0442	.1042-02	.8647-03	1:5:-05	.6930	7.963	55+.5
ეგ	. 0000 ·	.27550	74.000	.2500-01	.2080-01	.2790-01	1191-02	.9884-03	.1328-92	1900	6.599	555 0
06	٠, ٥٥٥٥	.30000	56.000	.6-0883.	10-0861.	.2650-0:	.1:33-92	.94:3-03	. 12 32-02	.7460	9 746	551.1
99	₹.003€	. 32500	57.005	.3290-01	.2730-01	:3670-0:	.1566-03	.: 293-02	1745-02	1 025	13.37	55.4.6
90	. 0000	.35000	59.000	. 2390-01	19-0661.	.2553-01	.1139-02	.9449-03	.1269-02	.7483	95.758	552.0
06	£.000	.37500	59.000	.2539-01	.2230-51	.3000-01	.128:-32	.1053-02	.1425-02	.8423	10.39	551.9
66	\$.0000	0000 %	50.009	.2559-01	.1700-01	.2590-01	.9754-03	.9111-03	.1087-02	0449.	80 # 6	551.4
06	¥.000C	.42500	51.000	10-0811.	-0066.	.1310-01	.5590-03	£0-9+9+.	.6223-03	.3700	4 833	4.646

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(AEDC V41B-BBA)	
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PAGE 1.20

				0H-74 (AE)	04-74 (AEDC V418-88A) EG2C12F10M1GW127E52V8R19	A) B62C12F	10M16W127E	52V8R19				(RVB0C1)
RON	TRALE	×'L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HITAMI	1000	OTWO	3
NUMBER				R=0.9	R-1.0	R-TAW	81U/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FT25EC	FTZETC	FT2SEC	FTZSEC	/ SEC	
90	٦٠ ، 0000	. 45000	62.000	.8000-02	.6500-02	.8900-02	.3798-03	.3157-03	.4227-03	.2510	3.251	5+7.5
06	۴.0000	.47500	63.000	.6700-02	.5600-02	.7500-02	.3207-03	. 2666-03	.3569-03	.2120	2.70;	547 1
66	4.1300	50000	64.000	5100-05	50-00Zh.	.5700-02	.2430-03	.2020-03	.2704-03	.1610	066.1	547.0
06	4.3930	.52500	65.000	S0-0014.	.3400-32	50-009h.	.1950-03	.1621-03	.2170-03	. 1290	1.598	546.8
06	4.0000	.55000	66.000	.3300-02	.2800-02	.3700-02	.1579-03	.1313-03	.1757-03	.1050	1.227	546.3
66	۴.0000	.60000	67.000	. 1800-02	. 1500-02		.8483-04	.7054-04	.9438-04	.5600-01	.6330	545.9
06	۴.0000	.65000	68.000	. 1200-02	-1000-05		.5836-04	4B24-04	.6493-04	10-0068.	0454.	545 :
û6	4.0000	.75900	69.000	. 1739-02	.1400-02		.8153-04	.6780-04	+0-1ctu	.5409-01	.6020	545.0
0 6	4.0000	.75000	70.003	. 2000-02	. 1700-02	.2300-02	.9624-04	.9006-04	50-:40	.5400-01	.7130	544.5
00	4 0000	.80000	75.000	.6000-03	.5000-03	.7000-03	.3074-04	.2557-04	.3421-04	.2003-01	.2460	545.8
90	₹.0000	.85000	76.000	.1700-02	.1400-02	.1900-02	.8243-04	.6853-04	.9173-04	.5500-01	.6460	547.0
06	4.0000	87500	77.000	.1400-02	.12 0-02	. 1600-02	.6767-04	.5625-04	.7531-04	14500-01	.5860	547.5
06	4.0.39	00006.	78.000	.1200-02	.1000-02	. 1300-02	.5611-04	40-49gh.	.6245-04	.3700-01	0084.	548.1
ΰъ	4.3230	. gezaca	79.000	.2600-02	.2100-02	.2800-02	.1215-03	.1010-03	.1353-03	10-0008.	0166.	5,645
ე6	20000.⊀	.95009	80.000	50-00 24 .	.3500-02	.4600-02	. 1977-03	.1643-03	. 2202-03	. 1309	1.524	550.2

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PAGC 121	(87,8001)	
D4-74 (45.DC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	0H-74 (AEDC V41B-88A) 862C12F10M16W127E52V6R19	PARAMETRIC DATA
(1471 (17 (1) 75		ORBITH R FUSE, AGE

ORBITH R FUSE, AGE

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2000ER0032		SHO OHA	St. UGS 7FT3	7108-04
0000.		>	FT/SEC	1 287
ELEVON		σ	PSIA	1785 607 F 10-00FR
B.000		Q	FSIA	R400-01
MACH	•••5	j	DEG. R	97.50
BETA0000 MACH - 8.000 ELEVON0000	***TEST CONDITIONS***	ХАН	DEG.	07 50
BETA	•••165	ï H	056.	0 081
		10	DEG. R	0 081 345 1 BUB
		P0	PSIA	7 308
		ALTHA	DEG.	30 02
		MACH		
		NO.	NUMBER	ō

V FT/SEC	3871.	
PSIA	3.702	
σ. 4 ₹.	.8300-01	
0€6. R	97.50	
YAH DEG.	.0000	
PH1 066.	180.0	
T0 DEG. R	1346.	
PO PSIA	806.7	SIN NO R# .0175
AL~HA DEG.	39.96	HREF 810/ R F725EC 775/-01
МАСН	B.000	RN/L X10 6 /FT 3,504
RUN	<u>6</u>	RUN KUMBER

					:	****TEST DATA***	:					
20	TRACE	×.	1/C NO	H/HREF	H/HREE	H/HREF	H(910)	1(10)	H(TAE)	1000	DIMDI	7
NUMBER	!	ı	•	R=0.9	0.1.0	R-TAM	97U/ R	91U/ R	BTU/ P	9707	DEG. R	956
1							FT23EC	FIZSEC	5155 F	FISSEC	/ SEC	
ő	1.0905	27500	1.9009	.1520-01	10-0721.	1700-01	.7244-03	.6023-03	.6052-03	.4810	4.972	547.
ő	0000.	33000	2.0000	.1290-01	10-0701.	10-0441.	.5140-03	.5105-03	.6932-03	0804.	4.317	547.
Ö	0000 :	32500	3.0000	1230-0:	100001	.1330-01	.5703-03	.4742-03	.6346-93	.3790	3.88:	547
<u>.</u>	0000 1	.35000	4.0002	16-0781.	.1550-01	.2580-01	.8692-03	.739:-03	.9997-03	.5890	6.094	548.
 on	0000.1	.37500	5.0000	:1690-0;	1410-01	.1880-01	.8051-03	.6692-03	.8960-03	.5340	5.535	548.
5	0000.1	. +0000	5.0030	10-0771.	.1480-01	1970-01	.8436-03	.70:3-03	.9389-03	.5600	5.733	548.
ģ	1.2000	42500	7.0000	1840-01	.1530-01	.2050-01	.8755-03	7285-03	.9755-03	 	6.002	54e.
ō	1.0000	. +5000	8.0000	10-0462.	10-0445.	.3270-01	.1399-02	1:16:-02	.1555-02	0100.	90 3. t. 0	550.
on on	1,6393	20574.	3.0000	317.0 01	.26:0-01	3550-01	20-4641	50-142!	.1664-22	.9870	10.00	551.
5	1.0933	50005	000 01	.2525-01	.2090-01	.2833-31	50-9811	.9937-03	1331-03	٥	7,983	550.
ō	0000.1	32555.	000'11	.3590-01	3060-01	.00:4.	50-1871.	.:455-02	:195c-33	35	:: 67	551.
o or	1 C	55000	12.300	10-0104.	3330-0:	10-0944.	1906-00	.1583-62	.2.23.5.	- 62 .	12.57	55;
i 6	2000	. 50000	13.599	395,-01	3290-01	14410-01	50-188:	1563-02	50-9602	122	12.46	554.
ō	00000	65000	000 41	10-0002.	.:660-01	.2230-01	.9523-03	. 1912-03	.:060-02	6300	6 354	550.
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ő	0000	15000	15.000	-2308-02	.1900-62	.2500-02	.1085-03	9023-04	1207-03	10-0027.	7300	5,6
ō	1.6363	C0008.	17.000	50-0055.	2-0022	50-0062 .	.1239-03	1030-03	1379-03	8000- 0 1	. 950	547
ō	2.000.5	28500	18 000	16-0251.	1260-31	1695-01	.7233-93	5943-03	.80 5-23	0014.	5.597	547
ē	00000	33700	300.6.	.2.29-31	15 31	.2353-01	1009-02	8392-03	11.23-02	.6709	7 888	547.
- -	1000		20.000	10-0661	1650-01	.2223-01	9467-93	.787:-03	20-45017	.629.	7.395	547.5
ā	5 0000	42609	21.000	10-016	3083-01	10-0814	1762-32	1464-02	.1962-02	1.164	13.61	550
ā	2000	ניים	טטט ממ	10-0:55	10-0282	3790-01	1620-02	1345-02	. 1864-02	1.073	56	549.

PAGE 122

				0H-74 (AE	DC V41B-88	OH-74 (AEDC V41B-88A) BG2C12F10M16W127E52V8R19	OM 16W127E	52v8R19				(RNB201)
	TRA, E	x/L	4/C NO	H/HREF	H/HREF	H/HREF	H,910)	H(10)	H(TAM)	1000	TCMTO	3
70 € S				R=0.9	R=1.0	R= TAIN	BTU/ R	BTU/ R	81U/ R	910/	DEG. R	DEG. 3
16	2.0000	.53200	חטט גע	3650-01	307070	0.00	ייים ביבוני	1 1535.5	7 123EC	י ולאני	ין ארי	
ō	2 0000	.56790	000.49	ים-מקקק	10-0681	10-0/04	50-6611	20-5441.	50-4881.		12.73	551.3
: ₆	201.702	52000	25 000	1080-01	50-0005.	10000	20-26-12	20-0504	00-6611.	00.17	700	249.0
66	2 3800	00009.	26.000	.7200-02	50-0009.	.8000-02	3405-03	50-5034.	50-00/65	0040	080.c	5. 40 0. 0.11
16	S 0000	.72500	27.000	.3500-02	50-0062.	.3900-02	1671-03	FO-1951	1859-03	1110	n 00-	מית היו
ő	2.0000	.75990	29.000	50-0062.	50-0045.	.3200-02	1383-03	.1151-03	F0-8551	10-0066	h u	r * * * * * * * * * * * * * * * * * * *
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ő	3.0000	.20000	31.000	3330-01	.2760-01	.3710-01	1581-02	1311-02	47.00C	1000t	, o	1 / 1 / 1
<u>.</u> .	3.0000	32522.	32.000	.2730-01	.2270-01	.3040-01	50-7621.	50-7701.	00-5441	. B530	10 J. D.	6.52.3 6.53.6
 m	3.0000.	56332	33.000	.2129-0:	.1760-01	.2360-01	.1006-02	8362-03	1121-02	5650	7.100	יייין אור
<u>.</u>	3.0000	.27500	34.000	1590-01	10-025'.	.1770-01	.7558-03	.6284-03	.8410-03	.5920	5,999	15 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
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õ	3.000.	32500	35.000	.2850-01	.2370-01	.3170-01	. 1354-02	.1126-02	. 1507-02	0658	10.52	7.7.7
	3 0000	35000	37.939	.2780-01	2310-01	.3100-01	.1323-02	50-0011.	1472-02	9780	10.11	547.1
	3 6060	.37500	38,000	.2060-01	1720-01	.2300-01	£0-1:50	.8159-03	52-5601.	025.1	7 538	. H. H.
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	3 0000	42500	40.000	.3790-01	.3150-01	.4220-01	.1803-02	20-8641.	50-8005.	05:-) ; ; ; ;	7. 'F.
	3 0000	.45500	.: 300	3520-01	.2930-01	.3920-01	.1674-02	.1391-02	.1853-02	1 109	12.65	n (1)
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	3.0000	, Agood	45.000	.1029-01	.8500-02	.1140-01	.4857-03	.4049-03	.5414-03	.3240	3 608	545.4
	3.0000	. 60000	46.000	.6230-0 2	.5200-02	.6900-02	.2963-03	.2456-03	.3296-03	.,980	2.148	5 tt.
	3 0060	. 65000	47.000	20-000 1	3300-05	.4500-02	.1905-03	.1585-03	.2118-03	0.1273	1.350	543.6
	3 0000	35656.		.2503-02	.2100-02	.2800-02	.1190-03	40-6186	.1312-33	.7930-01	000-9	543 2
	3 3553	. 75.233	£9 000	-Saco-as-	.2300-02	3100-05	.1323-03	.::01-03	.1471-03	.8800-01	. 9520	542.9
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		(C)	500.000	50-006:	.1500-02	-50-05:8:	40-1406	.75!6-04	.1006-03	.6000-01	.7400	549.4
	0 0 5 M	0	53.000	-2500-05	.2150-02	.2950-52	1181-03	40-6:8 6 .	.1315-03	7833-01	1.085	2 545
	3.2555	ני עו עו	0.000 1.000	90-0004.	.3950-02	5500-05	2213-53	.:839-03	. 2464-03	. 1453	:16:1	550.4
		: 950cc	55 000	.6603-02	.5500-02	-20-00-1	3158-03	.2524-03	.35,6-03	.2090	2.10E	550 4
		20002		3480-01	.2880-01	.3883-0:	1553-02	.1369-02	.1854-02	1 074	12.15	552.9
	1 0000	. C. C. C. C. C. C. C. C. C. C. C. C. C.	r Cu	. 2750-0;	.2580-01	.3070-01	1307-02	1084-02	1457-02	.8540	9.949	
		.25333.		.2533-01	.2.00-01	2820-01	120:-02	. 3955-03	1338-02	.7880	9.182	555.6
		.27593		2852-01	.2370-01	3:83-01	: 356-02	. 1125-02	.1511-02	.8900	10.95	555 4
	0000.7	30062	56 533	. 2950-01	2450-01	٠.	1402-02	1155-02	1552-02	.9250	12.08	551.5
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	0000	3500	58,300	2580-01	. 2140-01	.2870-01	25-522;	1618-92	1365-02	.8090	10.57	551.3
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- m	6000.4	acca+.	50.360	:0-042:	10-0141	1960-01	939:-03	. 6974-03	9340-03	.5560	7.259	548.6
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CH-74 (AEDC V419-88A) HEATING DATA CN ORBITER FUSELAGE PORT SIDE DATE 07 100 75

PAGE 123 (RVB(1011)

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0H-74 / AEDC V418-BBA) B62C12F10M16W127E52VBR13 1/0 RUN NUMBER

3.659 2.692 1.824 1.468 1.033 5200 7460 .5830 .4430 .9020 1 846 2.776 .3780 .8883 .1830 F125EC .2830 .2120 .1190 .1900 .1900 .2500-01 .3400-01 .3400-01 .8000-01 .8000-01 .1500-01 .3400-01 .7000-01 .1500 10-0064 .1982-03 .1472-03 .1328-03 .8169-04 .2584-04 .5657-04 .1173-03 .4007-03 .3535-03 .4730-03 .2463-03 .1061-03 .5551-04 BTU/ R FT2SEC H(TO) BTU/ A FT2SEC .3535-03 2842-03 1842-03 11482-03 17101-03 5769-04 1723-04 1932-04 11932-04 14235-04 14235-04 1891-03 1891-03 1891-03 H(910) BTU/ R FT2SEC .4252-03 .1782-03 .1782-03 .1363-04 .6934-04 .1194-03 -0-1805. .7343-04 .2323-04 -5093-04 .4230-02 .3:00-02 .2200-02 .1200-02 .2800-02 .1700-03 .5000-03 .1200-03 .2500-52 .5300-05 .7400-02 5200-02 10000-01 . 7400-02 . 5500-02 . 3300-02 . 3100-02 . 1700-02 . 1700-03 . 2100-03 . 2100-03 . 2100-03 . 2100-03 . 3000-03 . 1000-03 H/HREF R=1.0 6700-02 6700-02 7470-02 73700-02 7500-02 7500-02 7500-03 7500-03 7500-03 7500-03 9.0±8 68.000 64.000 65.000 65.000 65.000 67.000 70.000 75.000 74.000 80.000 80.000 80.000 80.000 80.000 80.000 80.000 45000 47500 50000 .52500 .55000 .650000 .70003 .80000 .80000 .95000 .90000 .92500 7,000 7,000 7,000 7,000 7,000 7,000 7,000 7,000 7,000 7,000 7,000 00000.4

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DATE 07	OCT 75		0H-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	V418-88A)	HEATING	DATA ON ORE	BITER FUSEL	AGE PORT	SIDE			PAGE 124
				0H-74 (AE)	DC V41B-88.	04-74 (AEDC V418-88A) B62C12F10M16W127E52VBR19	10M16W127ES	52VBR19				(RVB001)
ORBITER	ORBITER FUSELAGE							PARAM	PARAMETRIC DATA			
					BETA	. 0000	MACH	• 8.000	ELEVON =	00000.	RUODER .	0000.
					1ES	***IEST CONDITIONS***	• • • • • • • • • • • • • • • • • • •					
RUN	HACH	ALPHA DEG.	PO PS1A	TO DEG. R	PH1 DE6.	YAW DEG.	T DEG. R	PSIA	0 PSIA	V FT/SEC	RHO SLUGS	MU LB-SEC
26	e.000	43.95	837.5	1348.	0.081	. 5000	97.70	.8300-01	3.705	3874.	.7104-04	. 7864-07
RUN NUMBER 92	RN/L Y10 6 /FT 3.500	HREF BTU/ R FT2SEC .4757-01	STN NO R* .0175									
					:	**************************************	:					
<u>z</u>	TRACE	1/ X	0X 0/1	H/HREF	H/HPEF	H/HREF	H(910)	H(10)	H(TAN)	0001	DTWDT	3
NUMBER			<u>?</u>	R*0.9	R=1.0	R-TAW	BTU/ R	BTU/ R	81U/ R	910/	DES. R	DEG. R
							FIZSEC	FT2SEC	FTZSEC	F. ZSEC	7.55.0	
95	1 0000	27500	1.0000	1540-01	1280-01	1720-01	.7334-03	.6100-03	.8160-03	. 4300	ರ.೧೮33 4.559	547.3
y o	0000	32500	3.0000	1390-03	.1150-01	.1540-01	.6597-03	.5487-03	7339-03	0054	£.509	546.6
95	00001	.350	4.0000	.2040-01	10-0021.	.2270-01	.9718-03	.8080-03	50-180:	.6460	6.683	548.1
95	00001	.37500	5.0000	10-0771.	10-0541.	1970-01	. 8415-03	.6998-03 .8328-03	.1114-02	.6679	5.836	547.2
u Qi	0000		7,0000	.2613-01	10-0715.	10-00F	1241-02	.1032-92	.:38!-02	.8250	B.534	548.1
35	1.0505	45000	8.0000	.3293-01	.2730-01	.3650-31	.1553-02	50-6621.	.1739-02	1.038	10.58	549.3
95	1,0000	יי. מייני מייני מייני מייני מייני	9.0006	.2653-51 .0-0884	2200-01	3320-01	1269-02	.1179-02	.1577-02	. 9430	8.50: 9.525	548.2
r d	0000.1		000.11	.4370-01	.3630-01	.4870-01	.208, -02	1729-02	-5317-92	378	13 81	550.9
G	1.0000	00000	12 000	3750-01	3:32-01	16-0614.	.0-58-1.	.1487-02	50-1661.	1.188	. 1. 89	549.4 1
55	1.6030	000099	13 000	3280-01	.2730-01	.3650-01	. 1540-02	50-962:	1737-02	1 033	10.42 10.42	55:.2
26	1.0000	65300	000.1	50-0098 .	. 7200-02	50-009.	50-6504.	.3409-03	50-8554.	5900-01	, 67.80	יים אינו מיי אינו
or c	0000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 C	00-0042	30-0012 3100-05	20-002h	195-03	50-4641	50-166:		215	544.6
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9		38000	50 000	2650-01	.2250!	. 2950-01	. 1251-02	53-6401.	20-404:	. 8400	9.880	10 F - 10 10 10 10 10 10 10 10 10 10 10 10 10
35	2 9099	42530	21.000	10-0-64.	.3537-01	10-0564	50-6105.	1677-02	90-8-20.		<u>0</u> 3	549.9
95	0000 2	.47869	250	10-0:17	10-5-55.	0-080+.	י ומסו	. וממט יי		,	:	1

C--74 (AEDC 419-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE

PAGE 125 (RVE001) 543 3 546.4 547.5 949 0 946.7 945.0 943.6 943.6 545.1 542.0 541.9 542.5 549.6 555.0 551.6 552.1 551.3 548.1 547.8 548.6 548 8 548 6 546 :: 54. 3 548.7 549.4 560.4 556.7 555.+ 552.4 551.0 544.1 9,48 547 D:WDT DEG. F 7SEC 9.257 5.337 2.503 1.381 9 310 7.529 6.553 7 967 10.79 8.879 10.23 14.01 13.76 .7340 1.155 11.338 10.39 10.39 10.39 13.28 10.87 10.87 13.79 3.394 2.493 1.035 7310 1.309 94.0: 1.595 1.380 1.289 1.850 1.494 5 212 .9800-01 6690-01 .1272 .1330 .4700-01 5900-01 .9300-01 10-0040. 4630-01 .1360 9360 1.191 1320 2480 6450 .2257-03 1975-03 .17567-04 .1726-02 .1411-02 . 1995-02 .3715-03 1228-03 9177-03 2102-03 1398-02 8209-03 3835-03 2109-03 10-7-02 543-05 . 1281 -02 1959-02 1955-02 1577-02 78:0-03 .4813-03 1515-03 1101-03 1713-93 40-2252 1554-03 2374-03 1513-02 1467-02 1579-02 17 3-02 20-20-1 .1531-02 9535-03 10-05*8*6 2221-03 1804-02 HITAMA BTU/ R FT2SEC .9198-04 .1690-03 .147-03 .5735-04 .1286-02 .1'53-02 .9574-03 .1092-02 .1491-02 .1462-02 .1460-02 .3602-03 .1822-03 .1210-03 .8245-04 .1575-03 . 173-03 . 1659-03 . 1341-02 . 1127-05 . 1093-02 . 177-02 .6138-03 .1579-03 8467-03 6657-03 8048-03 1283-03 1151-03 5849-04 7391-04 . 1216-02 BTU: R FT2SEC CH-74 'AEDC V41B-58A) BG2C12F10M16W127E52V8R19 .1105-03 . 1549-02 .1387-02 1151-02 1213-02 1793-02 50-6271, .4328-03 .3342-03 .2189-03 .1397-03 .2133-03 .2133-03 .1617-02 .1359-02 .1359-7:51 .9577-03 539-02 1259-02 50-692 1585-02 57-692 57-69-03 H1910) BTU/ R FT2SEC 7021-03 1891-03 1541-03 1256-02 7379-03 3448-03 1256-02 -1019-02 1417-02 NO-1056 7031-04 40-688B .3300-02 .5000-02 .4700-02 .1930-61 .2260-01 .3240-01 10-0491. 2600-02 4700-D2 4130-02 1500-02 7890-C2 5100-02 3400-05 2300-05 4490-03 3500-02 1500-02 2100-02 3630-01 2950-01 3310-01 3180-01 10-0462 .2360-0: 4110-01 2950-01 3070-01 10-0614 4120-01 3080-03 .1900-02 .3300-02 .1900-02 .3500-02 .360-02 .300-02 . 7210-01 . 1780-01 . 14-3-01 . 1690-01 . 24-25-01 . 2013-01 .3800-02 .2500-02 .1700-02 .1800-02 .1800-02 .8400-02 .3900-02 2480-01 1230-01 3300-05 20-0075 3500-02 2700-01 3070-01 3970-01 3130-01 2820-01 10-6725 2300-01 2560-01 10-075 2190-01 2470-01 2200-01 590-0 H/HREF R=1.0 2640-01 1550-01 7200-12 4000-03 4300-03 4300-03 3700-03 50-00016. 50-0001. 3200-02 .1500-02 .1900-02 .3260-0: .2650-0: .2140-0: .3690-01 .2030-01 1400-02 3:00~02 -21001S 50-C004. 20-0062 2950-01 1800-01 2920-01 .2420-01 10-09CE 3779-01 3709-01 1480-01 3400-61 10-01-21 2380-01 2550-01 3080-01 H/HREF 2 23.000 26.000 26.000 26.000 27.000 31.000 31.000 35.000 35.000 35.000 36.000 36.000 37.000 37.000 37.000 37.000 37.000 41 ° J 110 67030 70500 15000 61000 16000 30000 35500 37500 40000 42500 32500 67503 00006 27500 62000 32500 3000 ب × 2.1300 2.2300 2.0300 2.0000 2.0000 3.0000 3.0000 TRA. E RUN NUMBER

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DATE 07	JATE 07 OCT 75		0H-74 (AEDX	04-74 (AEDC V418-BBA) HEATING DATA ON ORBITER FUSELAGE PORT	HEATING C	ATA ON ORE	BITER FUSEL	AGE PORT S	SIDE			PACE 2
				011-74 (AED	C V418-88A	N B62C12F1	011-74 (AEDC V418-88A) BG2C12F10M16W127E52V8R19	52V8R19				(RVB001
3 C	TRATE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(TO)	HETAW)	1000	DTWDT	4 7 7 7 7 7 7 7
				n r) -	# K	FT25EC	FT2SEC	FT2SEC	510/ F 125EC	, SEC	
8	4.0000	. 45000	52.000	. B60C-02	.7200-02	.9600-02	£0-£01h.	.3414-03	.4564-03	S740	3.548	545.2
35	0000.₩	. 47500	62.000	.5400-02	20-0054.	.6000-02	.2583-03	.2150-03	. 2872-03	.1730	2.200	1.445
35	4.1300	.59000	54.000	. 3800-02	.3200-02	.4300-02	. 1832-03	. 1525-03	.2037-03	SECT.	518	543 8
35	4.3000	.52500	65.000	. 2600-0 2	.e100-c2	.2900-02	. 1228-03	. 1022-03	.1365-03	.8200-0:	1.018	543.6
95	4.0000	.55000	65.000	.2500-02	-2100-02	.2700-02	.1172-03	.9759-C4	.1304-03	10-0064.	0126	543.6
95	٠.0000	.60000	67.000	. 1600-02	.1300-02	.1800-02	.7611-04	.6337-04	.8462-04	10-0015.	.5740	543.0
26	4.0003	.65000	58.000	. 1500-02	. 1200-02	. 1600-02	.7028-04	.5851-04	-7814-04	10-0054.	.5520	543.2
66	60000.4	20001.	69.000		50-0041.	•	R253-04	.6872-04	.9175-∪+	10-0055.	.6170	542.7
6	C000 h	75032	70 000	.3100-02	.2600-02	.3500-02	.1483-03	. 1234-03	.1649-03	.9900-01	901.1	543.8
ć	7.0000	. BCCCC	75.000	-1600-02	.1309-02	. 800-02	.7531-04	.6265-04	.8378~04	.5000-01	£409.	546.1
95	4.0000	.85000	76.000	.1330-02	.1000-02	20-0041.	, 5999-04	+ 0-686+.	.6674-04	10-0004	0824.	547 1
35	F.0000	. B7533	77.300	. 1200-02	.1000-02	.1300-02	.5729-04	+0-+9L+.	.6375-04	.3800-0:	∂ëōh.	547.8
G.	C682 %	. 90000	78,000	52-00+5.	.2000-62	.2709-02	1:64-03	.9676-04	. 1295-03	10-0074.	0866.	549.4
9	4.0000	92500	79.000	.5605-02	.4609-02	.6200-02	.2653-03	.2205-03	.2954-03	1590	€ 168	550.7
25	0000 4	32000	80.350	50-0077.	-6400-05	.8600-02	.3663-03	.3043-03	£0-676+.	ĵ .	2.83:	551.5

PACE 26 (RVB001)

DA, 10 1PVB031 OH THE CAEDO VATBEBBAT HEATING DATA ON PRBITER FUSELAGE PORT SIDE JATE

CH-74 14EDC V418-89A1 862C12F10M16W127E52V9R19

DRB**** FUSE . E

PARAMETRIC DATA

⊬U _B-SEC /FT2 .7883-07 3030 = 83000A RHC SCUGS F13 7640-04 7 **/56C 3864. 0 P31A .8800-01 3.964 a 415a ↑ DEG. R 97.20 ***TEST CONDITIONS*** YAM .0000 94. 956. -179.9 70 2E6. R .34 : 57% NO R* .0.75 Ca Ca Ca 863.8 HREF BTU/ R FT2SEC .49.5-2: ALPHA DEG. :9.80 RN/L X10 6 .FT 3.773 MACH 8.000 PUN NUMBER RUN MUMBER å

***** DATA***

	TRACE	-/-X	17.0 %	' jan' 'a	H/HREF	H/HREF	H: 9701	(0) I	H1 4 4 1 1 H	5000	10210	<u> </u>
A PER S				0.026	υ 	D= TA:	BTU/ R	BTU/ R	91U/ R	BTU	2£6. 7	OEG. P
							FTZSEC	FIRSEC	FFSEC	FIZSEC	STC	
ģ	1,0039	.27500	0000	10-05 :	50-0066.	1320-01	51.25-03	.4842-03	.6483-03	3750	3.990	546.5
, do	1.0000	C000E.	, 200 a	100-01	9100-05	10-32-11	.5339-03	£0-6144	.5958-03	3, 50	3.769	5,53
ď	0000	32555	. CCCC	50. acre.	50-6027.	50-0016.	.4767-03	. 3547-03	56-84C4.	02821	₽.89.5	545 7
, Q	1.0000	000 5 2	CO:0:0:	SC '56.	£3-634L	1030-01	.4547-03	.3781-53	.5060-03	30:5	y t	545.3
đ	1.0000	٠. در در 5 5353	20-00 6.	5,-608-,	10-010:	.4472-03	.3718-03	£0-L15+.	.2995.	3.:03	545	
ů ů	0000.1	COLOR	5 2032	1.73-01	50-0026	10-0421	5480-03	£3-858+.	5059-03	C245.		546.3
i	1.0000	1,425.	, C. C.	10-6-61	€0-00+8.	11130-01	£0-06K4.	£0-841.	56-5633.	000	W L:3	5 40
, (C	() () () ()	() () () () ()	0000	0-039	10-01817	1840-01	50-6018.	6742-33	30.50	Carrier.	16.48¢	545.6
, 10		ָר ני	() () ()	10-Cat.	19-03-11	1953-01	.8624-03	7156-53	E0-0, 29,	5690	11.11	9.742
, (1,000	0,00	. 0- (39)	:3:22:	:178C-3:	.7955-03	.6532-03	. B744-C3	0.00	5 P.45	540 7
· •	() () () () () () () () () ()	C 1 41	() ()	15-0-01	1350-01	.:823-31	.8250-03	5599-13	53-, LE6.	0.00	5.333	945.8
ų W	(((((((((((((((((((. (1) . (1)	CCC 4.	202 - 91	10-0691	.2350-01	9945-03	.8255-03	0,000	.556.	6 571	547.4
ų m	(((((((((((((((((((, ,) (C) P)	2273-31	16 0931	.2550.9:	€0-4. i.	.9e33	83+8+8.	7320	ر ارو ا	5 6×6
, ,		4 (4) (4)	•	2-22-2	.2.53-5:	3030-01	537-52		46.9 - 32	0516	e 675	3 07 10
			.) () ()	. (- () - ()	10-0982.	10-0-52	20-+691.	1405-02	53-755.	C: -:	ÇE	ស្គ ប.
, ,		i i	ψ. (1)	.C.C22G	1330-C	5920-01	27. 10	20-82-2	23-1642	 6	15.95	G THE
1		() () () () () () () () () ()	C C C C	5170.01	10-0004	5763-31	.25-1-35.	21.55-32	23-4222	£.6-1	(i)	55.9
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Ţ	 	(()	20 27	50.15	10-073	12-0481	63.4.63	EC-+:61.	558:-03	(4.00) (1.00)	r Port	54.E
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3	TRA,'E	7/1	1/C NO	H/HREF	H/HREF	H/HREF	H(970)	(10)	H! TAW)	1000	DTMDT	ž
NUMBER R				R=0.9	R=1.0	R=TAW	BTU/ R	5.U/ R	BTU/ R	BTU/	DEG R	다. 다.
							FT2SEC	FIZSEC	TISSEC	PITSEC	/SEC	
6 4	2.0000	.53000	23.000	.2840-01	2330-01	.3160-01	. 1396-02	20-65.11	1545-F2		10.15	551.3
40	2.0000	.56790	24.000	.3360-01	.2790-01	.3740-01	. 1651 - 02	.1370-02		:30 -	11.67	ر ار ا
7	2.1.330	.62000	25.000	.5190-0;	10-6054.	10-0825	.2550-02	.2115-02	58· · · 05	1.664	17.99	554.3
1 0	2.0000	.67000	26.000	.6750-01	5590-01	10-0+54.	.3319-02	.2746-02	3705-02	2.135	22.98	563.5
1 6	2.0000	.70500	27.000	.4610-01	.3820-01	10-0+15	. 2266-02	.1879-02	.2526-02	1.474	15.76	556.6
4	2.0000	.75000	28.000	.2270-01	10-088:	.2530-01	.1115-02	.9265-03	.1241-02	. 1350	8.045	548.1
6 4	2.0000	.80000	29.000	.1730-03	10-0441.	10-0261.	£0-4548.	.7059-03	.9456-03	.5600	6.169	547.3
ŧ,	2.0000	. 62400	30.000	5900-05	20-0064.	.6600-02	.2919-03	.2427-03	3249-03	15,	2.683	546.1
<u>5</u>	3.0000	.20000	31.000	.2920-01	.2340-01	.3140-01	.1385-02	.1150-02	. 1544-02	760	9.568	552.9
ŧ,	3.0000	22500	32.000	.2220-01	. 1840-01	10-0842.	. 1093-02	.9069-03	.1217-02	.7:50	7.983	551.7
đ	3.0000	.25000	33.000	1710-01	10-0241.	10-0061	.8384-03	.6963-03	.9337-03	.5510	6.151	548.7
Ę,	3.0000	.27500	34.009	.1340-01	10-0111.	10-06+1.	.6595-03	.5480-03	.7342-03	.4350	5.195	548.0
40	3.0000	.30000	35.000	1120-01	-9300-02	10-0521.	.5506-03	.4576-03	6129-03	.3530	164.4	546.9
ž	3.0000	.32500	36.000	. 1200-01	10-0001.	10-0421.	. 5922-03	.4921-03	.6591-03	.3910	4.574	547.1
ð	3.0000	.35000	37.000	. 1280-01	.1060-01	.1430-01	.6295-03	.5233-03	.7009-03	0514.	4.811	54.7.3
ŧ,	3.000	.37500	38.000	.1420-01	.1180-01	1580-01	.6993-03	.5812-1,	.7784-03	.4610	5.401	5-7.1
đ	3.00,70	00004.	39.000	.2240-01	.1860-01	.2490-01	.1101-02	.9143-03	. 1225-02	.7240	8.519	548.6
ţ,	3.0000	.42500	40.000	.2620-01	.2170-01	.2910-01	. 1286-02	.1068-02	.1433-02	0448.	9.963	551.0
6	3.0000	.45000	41.000	.2590-01	.2150-01	.2890-01	.1275-02	.1059-02	.1420-02	.8380	9.544	549.7
đ	3.0000	.47500	300.54	3180-01	.2640-01	. 3540-01	. 1561-02	. 1296-02	.1740-02	:.023	11.35	55.2.0
40	3.9063	.50000	43.003	.3850-01	3190-01	.4290-01	. 1892-02	.1570-02	-5108-02	1.235	13.70	553.6
9	3.0000	. 52500	960.44	10-0425.	10-0244.	.5950-01	. 2625-02	.2177-C2	. 2926-02	1.709	19.93	555.7
₫.	3.0000	.55000	45.000	.6970-01	10-0693.	.7570-01	.3379-02	20-66/2	.3771-02		24.13	560.5
	3.0000	. 50000	45.000	.5860-01	10-0584	.6530-01	-5879-05	-2387-02	.3211-02	010	20.19	557.5
đ	3,0000	.65300	47.000	.25+0-01	.2110-01	.283 <u>0-01</u>	. 1248-02	.1036-02	.1389-02	.8200	8.681	549.3
6	3.0000	.7000	48.003	10-0441.	. 1190-01	1600-01	.7057-03	.5866-03	. 7855-03	.4660	5.:33	546.6
64	3.0000	.75002	49.000	10-0601.	-0016	. 1223-01	.5371-03	.4465-03	.5977-03	.3550	3.853	546.1
40	3.0000	.80300	50,000	.9300-02	-20-05/1	.1030-01	.4557-03	. 3789-03	.507!-03	3310	3.224	545.7
ţ O	3.0000	.85000	51.000	.1230-01	. 1020-01	.1360-01	.6024-03	.5105-63	.6706-03	3678	4.901	54B.1
₽	3.0000	.87501	52.000	.2380-01	10-0861.	.2660-01	.1172-02	9732-03	::305-02	. 7680	9.470	551.7
40	3.0000	.9000	53.000	.1330-01	.1116-01	10-0841.	.6547-03	.5435-03	.7232-03	.4300 14300	5.963	550.6
ą,	3.0900	. 92500	54.500	1390-01	.1150-01	.:553-01	.6832-03	. 5674-03	£0-609L'	0644.	5.853	550.1
†.0	3.0000	.95000	55.000	10-00-1.	1179-01	1550~01	.6903-03	.5733-03	.7683~03	0101.	4.592	548.3
1 0	4.0000	. 20000	71.000	10-0852.	.2963-31	.3993-01	: 175,-02	1457-02	. 1952-02	. 140	12.93	559.8
ţ.	4.0000	.22500	72.330	.2750-01	.2260-01	10-0505.	.:357-02	1:20-05	.1505-02	3188.	10.27	554.5
1 9	4.0000	.25003	73.000	.2050-01	10-0041.	.2280-01	.:098-02	8354-03	. 1123-02	0039.	1.701	552.5
đ	4.0000	.27500	74.000	10-019:	1340-01	1793-01	. 7935-33	.6564-03	.8804-03	5190	6.430	550.6
5	4.0000	30008.	56.000	.1380-01	1150-01	.1540-01	.6805-03	. 5652-03	.7578-03	0544.	5.846	4.040
ų,	4.0000	122500	57.000	1552-01	1370-01	:1930-01	.8095-03	.6724-03	.9015-03	5350	6.955	549.5
*	4.0000	39002	59.000	10-0462.	.2350-01	.3:70-01	.1397-52	.1159-02	.:556-02	6:30	16.:1	553.3
49	6000.4	33:300	43.600	.3980-01	.3310-01	10-0555	. 1959-02	. 1625-32	.2183-02	1.278	16.56	554.6
3		0000	000								60	C 12 12
	1	,	•		2-66/3	5 5 50 - 0 1	AC-0185	2333-06	20-11-15	100.		'n

OH-74 (AEDC V418-BBA) HEATING DATA ON ORBITER FUSELAGE PORT SIDE

DA1: 07 OCT 75

PAGE 129

PAGE 129 (RVEDD!) 549 8 548.6 545.6 545.6 545.6 544.3 544.7 07WDT 0EG. R /SEC 32.52 23.49 13.1: 9.028 6.729 4.671 3.384 2.522 2.316 .9390 .6410 2.410 2.410 9001 Bru F125EC 2.544 1.864 1.964 7.520 5850 .3620 .208C .7800-01 5400-01 5400-01 .1830 .3550 .4468-02 .3234-02 .1812-02 .9726-03 .6092-03 .4856-03 .3813-03 .5997-03 1310-03 7383-03 3085-03 30-0421 HITAMI BTU/ R FTZSEC 014-74 (AEDC V418-BBA) HEATING DATA ON ORBITER FUSELAGE PORT SIDE .2305-03 .5508-03 .4476-03 .3302-02 .2397-02 .1349-02 .9246-03 3629-03 2849-03 2513-03 4552-03 9791-04 HCTOJ BTU/ R FT2SEC OH-74 1AEDC V418-88A1 862C12F10M16W127E52V8R19 .1113-02 .8736-03 .8736-03 .4364-03 .3426-03 .3142-03 .1177-03 .2772-03 .6631-03 .3997-02 H(910) BTU/ R F125EC .7800-02 .7100-02 .2700-03 .1500-02 .1500-01 .1500-01 .5300-05 .3690-01 .1980-01 .1240-01 .9030-01 .1480-01 .9300-02 .7400-02 .5300-02 .2000-02 .1400-02 .6720-01 10-0881 2260-01 1780-01 1110-01 2900-02 .8130-01 .5990-01 .3310-01 .6400-02 .2400-02 .1700-02 .1350-01 .1100-01 .4800-02 H/HREF R=0.9 ş 62.000 53.000 64.000 65.000 65.000 65.000 70.000 77.000 77.000 77.000 77.000 77.000 77.000 77.000 77.000 77.000 1,0 45000 5000 50000 52500 52500 52500 52500 72000 72000 87500 87500 87500 87500 TRA'E DATE 07 OCT 75 RUN សិសិសិសិសិសិសិសិសិសិសិសិសិ**សិ**

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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

A1E 07	ATE 07 OCT 75		OH-74 (AEDC	: V418-88A1	04-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT	SATA ON OR	BITER FUSEL	LAGE PORT	SIDE			PAGE :30	
				0H-74 (AE	04-74 (AEDC V418-88A) BG2C12F10M16W127E52V8R19	A) B62C12F	10M16W127E	52VBR19				(RVB001)	
RBI TER	RBITER FUSE, AGE							PARAM	PARAMETRIC DATA				
					BETA	0000		■ B.000	ELEVON -	0000.	RUDDER -	. 0000	
					•••TES1	***TEST CONDITIONS***	• • • • • • • • • • • • • • • • • • •						
Ş	HACH	ALPHA	8	10	Ŧ	YAW		ه و	o i	> 1	RHO Source	£ 0.00 €	
UHBER		DEG.	V ISd	DEG. R	OEG.	663.	DEG. R	ž	<u> </u>	1/2FC	5L U65 /FT3	1672 /FT2	
8	9.000	₹. 9.	964 . I	1342.	-179.9	.0000	97.20	10-0068	3.965	3836.	.7636-04	.7829-07	
\$	RN/L	HREF	STN NO					t					
CHBER	X10 6	BTU/ R	R. .0175										
65	3.770	10-816+	.2078-01										
					:	**************************************	:						
ã	TDACE	, , , , , , , , , , , , , , , , , , ,	QN 2/1	H/HRE'S	H/HREE	H/HREF	H(910)	H(10)	H(TAM)	1000	DTMDT	¥	
A STATE OF	- 1200	i È	2	R=0.9	P=1.0	R=TAW	BTU/ R	BTU/ S	87U/ R	BTU/	DEG. R	DEG. R	
							FTZSEC	FT2SEC	FT2SEC	FTZSEC	/ SEC		
65	00001	.27500	1.0000	.1350-01	.1120-01	1500-01	.6624-03	.5509-03	.7369-03	.4390	4,552	5.44.0 0.44.0	
65	1.0000	.3/.000	2.0003	.1160-01	.9600-02	1290-01	.5687-03	.4730-03	50-7-559.	3040	3,120	543.9	
e 8	1.0000	.35000	4.0000	1080-01	. 9070-02	1200-01	.5311-03	.4418-03	.5908-03	.3520	3.652	544.1	
8 8	1.0000	.37500	5.0000	. 1050-31	.8700-02	10-0711.	.5174-03	.4303-03	.5757-03	.3430	3.603	5,44,0	
65	1.0000	00004	6.000	.1190-91	50-0066	.1320-01	.5828-03	.4848-03	.6485-03	.3870	3.957	מריר. הנה הנה	
S t	1.0003	.42500	7.0000	10-0971.	1410-01	1890-01	.8353-03 .8675-03	. 7212-03	. 9554-03	5740	5. 857	7.946	
ខម	0000.	43655	0000.6	1770-01	1470-01	1960-01	.8680-03	.7214-03	.9661-03	.5730	5.824	547.2	
3 8	1.0000	.5000	10.000	10-0381	. 1550-01	.2070-01	.9167-03	.7619-03	1050-05	.6053	6.123	547.2	
65	1.0000	.52500	11.000	.2000-01	.1650-01	. 2233-01	. 9943-03	.8180-03	.1096-02	.6550	5.557	547.7	
65	1.0560	.55000	12.900	.2370-01	10-0761.	. 2640-01	. 1 : 64-02	. 9673-03	. 1296-02	. 7680	7.586	548.6	
65	1.0000	.60000	13.630	. 3320-01	.2750-01	. 3700-9:	.1533-02	1355-02	50-8181.	7.U.	ŭ	331.7 550 5	
95	00001	.65000	- 000 · 1	.6590-01	10-0455.	7457-01	30-8425.	20-42/2.	00-9696) i	567 3	
52	1.9555	. 73030	15.000	10-2864.	10-0505.	10-0440	00-555.	20-6-61.	30-5753.	7220	1.00	550.2	
65	5550.1	. 75000	19.000	ימייטיטיי.	10-0691	10-0241	50-1501.	50-69-65	.7032-03	1150	4.0:4	7 61 75	
65	1,5363	000039.	000 81	1376-01	10-0-11	1525-01	.6716-03	. 5597-03	74-1-03	.4469	5.227	544.0	
S E	0000	33700	19.000	1339-01	11110-01	16-0041.	.6546-03	.5445-03	.7283-03	.43+0	5.120	544 3	
65	2.9090	39000	20.000	. 20E2-01	10-02/1.	10-600-2	.1015-02	.8437-03	.1129-02	.6720	7.939	546.0	
92	2.0000	. *R603	21.000	.2340-01	. 1950-01	.2610-01	.1151-02	.9567-03	. 1281-02	.7600	8,992	0.47.0	
65	2.3000	.47800	22.000	.2570-01	.2220-01	.2970-01	.1314-02	. 1092-02	. 1462-02	. 6660	9.629	549.3	

DATE 07	7 00. 75		04-74 1AED	04-74 (AEDC V418-883)		JATA ON OR	HEATING DATA ON ORBITER FUSELAGE PORT		SIDE			PAGE 1.51
				0H-74 (AE	04-74 (AEDC V418-88A) BG2C12F10M16W127E52V3R19	A) B62C12F	10M16W127E	\$2V8R19				(RV800:)
PG.	TRATE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAM)	apor	DIMOT	1
NUMBER				R=0.9	R=1.0	R=TAW	BTU/ R	87U/ R	BTU/ R	910/	DEG. R	DEG. R
65	2,0000	53000	23.000	19-0984	10-0204	5420-01	7 1 CSEC.	1984-02	2665-02	1 562 1 562	75.5	7,47,
6	2.0000	.56700	24.000	.8230-01	.6910-01	10-0616.	-8+0h	.3348-02	-0-025h.	2.600	27,95	565.4
55	2.1300	.62000	25.000	:3720-0;	.3090-01	.4140-01	.1828-02	.1517-02	.2036-02	1,199	12.98	551.8
65	2.3000	.67000	26.000	.1560-01	. 380-01	.1850-01	.8159-03	.6780-03	.9384-03	.5380	5.834	548.4
65	2.0000	.70500	27.000	1190-01	-8900-05	.1320-01	.5850-03	.4863-03	.6510-03	.38⁻0	4.159	346.4
65	2.0000	.75000	28.000	.9200-0 2	50-00-1	1030-01	. 4547-03	.3781-03	.5060-03	.3010	3,305	545.2
65	2.0000	.80000	29.000	-00 -05.	₹3-000L.	.9430-02	.4147-03	.3448-03	.4615-03	.2743	3.024	545.9
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92	3.0000	.20000	31.000	.2990-0!	.2480-01	.3330-01	.1468-02	. 1219-02	.1535-02	.9620	:0.16	552.9
65	3.0000	.22500	32.000	.2550-01	.2120-01	.2840-01	. 1256-02	. 1043~0P	. 1398-02	.8263	9.2.6	550.1
65	3.0000	.25000	33.000	10-0261	.1600-01	.2140-01	.9475-03	. 7876-03	. 1055 -02	.6260	7.00+	546.8
g G	3.0000	.27500	34.000	10-0841.	.1230-01	.1650-01	.7282-03	.6057-63	.8101-03	.4830	5.786	544.3
92	3.0000	.30000	35.000	13:0-01	. 1090-01	. 1450-01	.6427-03	.5347-03	7149-03	0754.	5.288	543.3
63	3.000	. 32520	36.000	1350-01	.1130-01	. 15:0-0:	.6654-03	. 5535-03	. 740! -03	, 4420	5.184	543.5
6 5	3.0000	.35003	37.000	. 1620-01	.1350-01	1800-01	. 7967-03	.6627-03	.8863-03	.5290	6.:36	544.0
a D	3.0000	.37500	38.000	.2510-01	.2090-01	.2800-01	. 1236-02	.1028-02	.1376-02	.8180	9.576	546.5
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ß	3.0000	. 42550	£0.00	. 3590-01	. 2960-01	10-0004.	. 1766-02	.1467-02	. 1967-02	1.160	3.69	551.2
92	3.0000	. 45000	41.000	10-0911	10-0015.	.4963-01	.2192-02	. 1820-02	.2441-02	1.438	.6.37	551.5
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.8554-04 OH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE HI 10) B 110/ R F 125EC 77104-03 3508-73 3508-03 3508-03 1269-03 1269-03 1282-04 6933-04 77379-04 6935-04 77379-04 6355-04 3228-03 3228-03 OH-74 (AEDC V418-88A) BE2CIZF10M16M127E52V8R19 H19101 B1U/R F12SEC .8549-03 .6118-03 .4438-03 .3527-03 .3527-03 .3527-03 .1525-03 .1525-03 .1525-03 .1525-03 .1525-03 .3164-03 . 1940-01 . 1380-01 . 1000-02 . 4900-02 . 3400-02 . 2400-02 . 1900-02 . 1700-02 . 1700-02 . 1700-02 . 1700-02 . 1700-02 . 1700-02 H/HREF R=TAW . 1940-01 . 7500-02 . 5300-02 . 5300-02 . 1800-02 . 1500-02 . 1500-02 . 1500-02 . 1500-02 . 1500-02 . 1500-02 . 1500-02 H/HREF R=1.0 1840-01 1940-01 1900-02 1900-02 1900-02 1900-02 1700-02 1700-02 1700-02 1800-02 1800-02 1500-02 1500-02 1900-02 1900-02 H/HREF R=0.9 1/C NO 63.000 65.000 65.000 65.000 65.000 65.000 65.000 65.000 65.000 65.000 77.000 77.000 77.000 77.000 69.000 69.000 69.000 69.000 69.000 69.000 69.000 69.000 69.000 69.000 69.000 69.000 69.000 69.000 69.000 69.000 69.000 69.000 .45000 .50000 .5500 .5500 .5500 .66000 .75000 .75000 .85000 .85000 .85000 .85000 .85000 .85000 .85000 .85000 ž DATE 07 OCT 75 **ក្នុងស្ត្រស្ត្រស្ត្**នស្ត្រស្ត្

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				0H-74 (AE	OH-74 (AEDC V418-88A) BF2C12F10M16W127E52VBR19	A) BF2C12F	10M16W127E	52V8R19				(RVB001)
ORBITE	ORBITER FUSE, AGE							PARAM	PARAMETRIC DATA			
					BETA	.0000	MACH	B.000	ELEVON .	0000	RUDDER .	. 0000
					531***	****EST CONDITIONS***	NS•••					
RUN	MACH	ALPHA	8	10	ž	YAW		٥	a	>	Đ.	2
NUMBER		DEG.	₽S1A	DEG. R	DEG.	DEG.	DEG. R	PSIA	PSIA	F1/5EC	SLUGS /FT3	LB-5EC /FT2
67	8.000	88. 28.	8.4.98	1343.	-179.9	.0000	97.30	10-0068	3.969	3867.	.7637-04	. 7835-07
RCN	PN/L	HREF	STN NO									
NUMBER	X10 6	BTU/ R	R									
67	3.769	10-0264.	.2078-01									
					•	***TEST DATA***	:					
RCR	TRACE	אָג	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAW)	1000	DTMDT	E
NUMBER				R=0.9	R=1.0	R-TAW	BTU/ R	8TU/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FT2SEC	FT2SEC	/SEC	
63	1.0000	.27500	1.0000	10-0641	1240-01	1660-01	.7348-03	.6111-03	.8175-03	.4870	5.048	9.0.0
67	1.0000	30003	2.0000 2.0000	1360-01	. 1130-01	1510-01	.6673-03	.5549-03	- 424 - 03 - 425 - 03	OM ##.	, GG.	
6	0000.1	000cs.	3.0000 4.0000	1270-01	1020-01	10-01-1	.6237-03	5188-03	.6939-03	0514.	4,290	2.75
6	1.0000	.37500	3.0000	1710-01	. 1420-01	10-0161	.8429-03	.7007-03	.9381-03	.5:080	5.852	9.7.0
67	1.0000	00004	6.0000	1990-01	.1650-71	.2210-01	.9786-03	.8135-03	. 1089-02	.6470	6.637	547.1
67	1.0000	.42500	7.0000	. 1390-01	.1150-01	10-0-01	.6826-03	.5674-03	. 7596-03	.4520	4.575	546.7
) G	0000	25000	8.0000	1940-01.	10-0191	10-0515	.9535-03	. 7929-03	.1062-02	.6310	5.436	547.4 548.9
î î	1.0000	.5000	10.000	. 1920-01	. 1600-01	.2140-01	.9468-03	.7868-03	.1054-02	,6250	6.319	548.2
67	1.0003	.52500	11.000	.2660-01	.2210-01	.2960-01	. 1307-02	.1086-02	.1455-02	.86?7	8.709	549.1
63	1.0000	.55000	12.000	.3550-01	. 2960-01	.3970-01	.1752-02	.1456-02	. 1951 - 02	1.154	11.54	550.2
67	1 0000	.60000	13.000	.2750-01	. 2290-01	.3070-01	. 1354-02	.1125-02	. 1508-02	ວ:68.	8.986	551.2
29	1.0000	65003	14.000	34-06-01	.2900-01	.3897-01	-17:7-02	. 1425-62	. 1912-02	1.128	11.37	552.0
57	1.0000	70000	15.000	10-0201	. 8600-02	. 1150-01	.5078-03	.4220-03	.5652-03	.3360	3.67 9.0	547.7
6	1.0000	00067 .	16.000	50-007:	20-1015	20-0014	50-7191	40-11C1.	7350-04	1000011	1010	יייניין איני
6	0000	28500	18.000	1500-01	1330-01	1780-01	7869-03	6544-03	.87.5-03	.5220	6.119	545.1
5 60	2.0000	33700	19.000	1500-01	1250-01	1670-01	.7399-03	.5154-03	.8233-03	0164.	5.783	5.5.2
67	2.0000	39000	20.000	.2340-01	1950-01	.2610-01	.1154-02	.9591-03	.1284-02	.7640	8.989	546.8
67	2.0000	.42600	21.000	.2230-01	. 1860-01	.2490-01	.1099-02	.9136-03	. 1223-02	0757.	8.505	547.6
61	2.3000	00864.	22.000	10-0645.	.2050-01	.2750-01	- 1214-02	. 1009-02	. 1351-02	.8020	9.306	548.3

DATE 07	DATE 07 OCT 75		OH-74 (AEDO	0H-74 (AEDC V418-88A)	HEATING D	HEATING DATA ON ORPITER FUSELAGE PORT SIDE	ITER FUSEL	AGE PORT S	301			PAGE 137
				OH-74 (AEC	C V418-88A	OH-74 (AEDC V418-88A) BG2C12F1OH16W127E52V8R19	0H16H127EE	2V8R19				(RVB001)
i	,	3	Ç.	H/HBCF	H/HRFF	H/HREF	H(910)	Н(10)	HCTAW	1000	DTMDT	7
	J K	1	}	R*0.9	R=1.0	R-TAW	81U/ R	BTU/ R	BTU/ A	BTU/	DEG. R	DEG. R
							FTZSEC	FT2SEC	FIZSEC	FT2SEC	, SEC	,
63	2.6000	.53000	23.000	.3169-01	.2620-01	.3510-01	.1553-02	.1289-02	50-6241.	1.020	11.32	551.9
6	2.0000	.56700	€.000 1000	.2030-01	10-0691	.2270-01	-1001-	.8318-03	.1115-02	.6600	7.155	5+9.4
6	5000	.62300	25.000	1340-01	.1120-01	10-06-17	.6604-03	.5489-03	.7349-03	.4370	4.742	ري رق و رق
;	0000	67000	26.000	.7900-02	.6600-02	.8800-02	.3911-03	. 3253-03	.4351-03	.2600	2.850	545.0
6	2000	70500	27.000	5100-05	.4300-02	.5700-02	.2515-03	.2092-03	.2798-03	.1670	1.797	544.5
5 6	0000	75000	28,000	.2300-02	.1900-02	.2600-02	.1145-03	.9528-04	. 1274-93	.7600-01	9360	543.4
. 4	0000	00008	29.000	.2000-02	.1600 02	.2200-32	40-8656	70-486L	.1068-03	2400-0;	.7030	544.
5 6	0000	82400	30.000	.6000-03	.5000-03	.7000-03	.3125-04	. 2599-04	.3477-04	10-0012	.2883	545.3
5 6	2000	טטטע	31.000	.3230-01	.2680-01	.3600-01	. 1590-02	.1319-02	-0-1771.	1.042	11.00	553.3
ì	0000	22500	000°	.2790-01	.2310-01	.3100-01	. 1371-02	.1139-02	.1527-02	.9030	10.01	550.4
6 5	0000	20016	200.25	2080-01	1730-01	.2320-01	. 1024-02	.8508-03	. ! ! 39-02	.6770	7.566	547.3
ì	9.000	ממאנים.	000	1620-01	1350-01	1910-01	.7995-03	.6649-03	.8395-03	.5310	6.351	545.1
à (2.000	00000	200.4	10-045	11-00-01	10-0641	.6597-03	5497-03	.7350-03	.4390	5.439	543.8
ž (3.000	00000	35.000	10-0261	1640-01	.2290-01	.9708-03	.8073-03	.1080-02	.6440	7.546	545.4
6	3.0000	00000	20.00	10-0804	10-0666	3050-01	1353-02	1124-02	.1505-02	.8950	10.38	546.6
۱۵	3.0000	CODES.	200.00	10-00-00	יייייייייייייייייייייייייייייייייייייי	2860-01	1266-02	1052-32	1409-02	.8380	608.6	546.8
67	3.0000	20075	39.003	10-000	10-0591	10.0166	9785-03	8135-03	50-6801.	.6483	7.623	546.5
9	3.0000	20004	39.00	10-0561.	10-05:5	4220-01	1865-02	20-6451.	50-8-02	1.226	14.47	551.9
67	3.0000	0000	200	10-0216	יט טניני	3040-01	1345-02	1118-02	50-7641	0688.	10.13	548.1
67	3.0000	2000	41.000	10-05/3.	2380-01	3190-01	1411-02	.1172-02	:1572-02	.9300	10.33	549.7
۱ ۵	3.0000	3000	000.47	2350-01	10-0501	2610-61	1154-02	.9589-03	.:284-02	.7620	8.472	548.2
2	3.0000	nonne.	200.41	12.0-0:21	10-0601	1450-01	.6423-03	. 341-03	.7147-03	.4260	4.988	545.7
اة	3.0000	2000	200.41	13-0501	A600-02	1149-61	.5053-03	.4211-03	.5634-03	.3360	3.739	545.4
ا مَا	3.0000	00000	000.0	יס פרטיי	20-0064	6500-02	.2875-03	.2392-03	.3198-03	0161.	2.078	543.6
19	3.000:	20204-	40.000	22 00001	בת מסדו.	50-00G4	1992-03	,1657-03	. 2215-03	.1330	1.407	5-3.1
61	3.0000	. 65000	200.5	50-0004	20-00-6	20 0000	1265-93	1053-03	.1407-03	19-0048.	.9300	542.6
67	3.000	20007	000.84	20-00-0	1000-001	20-0026	1031-03	B577-04	.:146-03	10-0065.	.7470	542.5
67	3.0000	75000	100 m	20-0000	60-0071	20 005	40-PCBP	P0-9718	:093-03	10-0059	0.000	542.7
67	3.0000	00000	30.000	50-000a	1500-02	20-00-2	+0-9026	40-11-08	.1080-03	.6400-01	.7960	545.7
6	3.0000	2000.0	000.00	50-0051	1300-02	1700-02	40-764L.	.6431-04	.8339-04	.5000-01	.6140	546.1
اة	3.0000 1	50.00	200.24	60-6041	50-00-1	1600-02	.6917-04	.5751-04	.7697.	.4600-01	.63	546.1
) á	3.0000	997060	32.00	20-00-1	1400-02	1300-02	.8356-04	+0-8+69·	.9299-04	.5500-01	7250	546.1
ì 6	7.0000		000	3500-02	20-0062	.3900-02	1708-03	. 1421-03	. 1901-03	.1130	1.146	545.6
9 (3.0000	00000	000.15	35:0-01	10-0162	.3923-01	. 1729-02	1434-02	.1928-02	1.126	12.77	557.8
ò	0000	00003.	200 67	10-0692	.2150-01	.2880-01	.1273-02	.1057-02	. 1418-02	. 8350	9.755	552.4
ò	0000	מממאלי	900.57	10-0212	17-09-11	.2350-01	.1045-02	.8581-03	.1163-02	.6890	8.053	549.6
ò (0000	יייקירע	200.30	10-01-2	.2010-01	.2590-01	50-88111	.9870-03	. 1323-02	.7830	9.657	550.0
à (0000	00000	55. CO.	10-0120	10-0261	.2570-01	.1136-12	.9479-03	. 1254-02	.7500	9.807	548.4
6	0000.	39600	57 000	3180-01	10-0405	3550-01	.1566-02	€ 00€1.	.1744-02	1.029	13.44	551.4
67	2000	00036	000.00	10-0856	1970-01	2650-01	.1169-02	.9715-03	. 1302-02	0156.	10.38	548.9
67	0000.	27500	200.000	2620-01	.2160-01	10-0262.	. 1291-02	.1073-02	.1438-02	.8520	<u>*</u>	549.0
۱۵	0000.	0000	000.00	2070-01	1720-01	.23:0-01	.1021-02	.8483-03	.1136-02	.6750	8.t.7	547.6
67	4.0000	00004	00.000		60-0010	1990-01	5796-03	4487-03	.6004-03	.3580	۴.687	545.5
67	4.0000	, 4850¢	61.050	10-0011.		.,	}	· •				

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2AGE 138	(RVB001)	Ē
		40.10
7 S10E		
LAGE PORT	:52V8R19	
HER FUSE	OM16W127E	
ITA ON ORE	B62C12F1	;
HEATING DA	V418-B8A	!
OH-74 (AECC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	
CAEDC V4	£	
94-74		
DATE 07 OCT 75		

2	TRACE	, 'X	1/C NO	H/HREF	H/HPEF	H/HREF	H(910)	H(10)	HITAM	TOOD	DTWDT	7
MMM	1	•	1	R=0 9	R-1.0	4-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FTZSEC	FTZSEC	FTPSEC	1SEC	
8	0000	45000	62.000	.7600-02	.6300-02	.8500-02	.3751-03	.3,20-63	.4173-03	.2430	3.226	0.330
6	0000	47500	63.000	.550.1-02	-4600-02	.6200-02	.2727-03	. 2269-03	.3034-03	.1810	2.308	543.9
6	4.1.000	20000	000.40	S0 0054.	.3500-02	4700-02	.2058-03	.1712-03	.2289-03	0721.	1.694	543.7
52	4. 3000	52500	65.000	.3500-62	. 2900-02	. 3800-02	1695-03	.1413-03	.1890-03	.1130	1.399	543.6
6	0000	95500	66.000	.2800-02	.2300-02	.3100-02	1354-03	.1135-03	.1517-03	.9100-01	1.064	5+3.5
i ic	4.0000	0000	67,000	20-0041	1200-02	.1500-02	.6962-04	.5800-0 4	.7750-04	.4600-01	. 5230	542.3
. 6	0000	65.000	68.000	.1100-02	.96-03	-1330-02	.5610-04	+0-699+	.6239-04	.3700-01	.4390	545.4
; <u>E</u>	0000	70000	69.000	1400-05	50- 0011.	.1500-02	.6760 04	.5625-04	40-6154	16-0054.	.5010	543.4
.	0000	.75000	70.000	1600-02	.1300-05	. 1800-02	÷0-6/64.	.6640-04	.9873-0%	.5300-01	. 5930	542.5
16	4.0000	00000	75.000	.5000-03	.5000-03	6000-03	.2827-04	.235.2-04	3144-04	1900-01	.2275	543.2
.	0000	.85000	76.000	.8000-03	.7000-03	.9000-03	+003-04	.3331-04	40-8344.	.2700-01	.3160	543.7
5 6	4.0000	.87500	77.000	.1100-02	£0-0006.	. 1200-02	. 5524-04	45-96-74	.6145-04	.3700-01	6184.	543.9
6	0000	00005	78.000	-1100-02	.9000-03	. 1200-02	.5325-04	40-UE44.	.5923-04	.3500-01	. 4580	544.0
E	2000	92500	79.000	.2200-02	. 1830-02	50-00-5.	. 1081-03	+0-0668 .	. 1203-03	.7200-01	. 8870	545.
: 5	1	06000	000 08	3900-02	3200-02	-4300-02	1911-03	.1589-03	.2126-03	. 1270	1.485	545.5

DATE 07	DATE 07 OCT 75		04-74 (AEDC V418-88A)	V418-88A)	HEATING	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	BITER FUSEL	AGE PORT !	3016			PAGE
				0H-74 (AE	DC V*18-88	04-74 (AEDC V418-88A) B62C12F10M16W127E52V8R19	10M16W127E	32V8R19				(RVB00
088115	ORBITER FUSE, AGE							PARAM	PARAMETRIC DATA			
					BETA	0000	MACH	8 .000	ELEVON .	0000	RUDOER .	0000
					•••165	***TEST CONDITIONS***						
RUN	MACH	ALPHA DEG.	& <u>₹</u>	70 DEG, R	94.1 066.	YAM DEG.	↑ D€6. R	PS:A	PSIA	V FT/SEC	RHO SLUGS	35-81 LB-SEC
8	B. 000	39.96	865.0	1343.	-179.9	.0000	97.30	.8930-01	3.969	3867.	.7639-04	. 7835-07
S		HREF	STN NO									
NUMBER	X10 6	BTU/ R	.0175									
8	3.770	10-12-4.	.2078-01									
						74	:					
Š	TRACE	x/r	1/C NO	H/HREF	H/HREP	A/HREF	H(970)	H(10)	HCTAU	1000	DTWOT	ī
NUMBER		•		R-0.9	R=1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FT23EC	FIPSEC	FT2SEC)SEC	
8	1.0000	.27500	1.0000	.1510-01	. 1250-C	10-0891	.7413-03	.6162-03	.8249-03	0164.	5.378	מלמי. היה
28 62	0000 -		2.0000	10-03-01	0-0101	1220-01	53/9-03	.4473-03	.5965-03	.3560	3.654	546.3
8 8	1.0000	.35000	4.0000	1800-01	10-0641	.2000-01	. 8637-03	.7346-03	.9835-03	.5850	6.048	547.1
93	1.0000	.37500	5.0000	1710-01	1420-01	10-0061	.8413-03	.6991-03	.9365-03	.5560	5.828 5.600	548.1
8 8	1.0000	00004	7.0000	. 1820-01	1510-01	2020-01	.8932-03	.0-55.V.	.9944-03	. 5900	6.096	548.6
3 28	1.0000	45000	0000	10-03K	.2110-01	.2830-01	. 1250-02	.1039-02	.1392-02	.8<50	9.410	548.9
8	1.0000	.47500	9.0000	.2130-01	10-0771.	.2370-01	.1047-02	.8695-03	.1166-02	.6893	6.989	553.4
8	1.0000	.5000	10.000	.2240-01	10-0981	.2500-01	. 1104-32	.9172-03	. 1229-02	. 7280	7.351	549.4 560.5
89	1.0000	00525	000.14	10-0644	10-0698	10-006.	93-0612.	20-06.1	00-50%-	C120	היים מיז מיז	יו ליוני
8 8	1.0000	92000	12.000	10-0882	10-00-01	10-0196	1617-02	20-2451	. 1802-02	1.060	10.68	553.3
8 2	0000	.65000	14.000	. 1250-01	. 1050-01	1463-01	.6201-03	.5152-03	.6303-03	0604.	4.135	548.7
8	1.0000	. 70000	15.000	.3300-02	50-0075.	. 3600-02	.1602-03	.1332-03	.1782-03	. 1060	1.036	546.1
89	1.0000	.75000	16.000	.2200-02	. 1800-02	. 2400-02	. 1073-03	.8920-04	. 1193-03	.7100-01	. 7200	5,53
68	1.0000	00008	17.000	2400-05	.2000-02	50-002	. 1202-03	70-7666.	. 1338-03	. 8000-01	7710	5.65.1
8	2.0000	.28500	18.000	. 1440-01	1200-01	1600-01	.7074-03	.5881-03	. 7873-03	9894.	5.484 - 0.484	547.5
92 8	P. 0003	.33700	19.000	19-0212.	15:0-01	2360-01	. 1042-02	7900-03	.1058-02	.6280	7.383	548.4
8 9	0000	. 39000	20.000	3337.01	2760-01	3710-01	1638-02	1350-02	. 1824-02	1.076	12.58	551.5
8 8	2.0000	47600	22.000	2970-01	. P.60-01	.3300-01	20-6541.	1212-02	. 1625-02	.9610	10.67	550.3
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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DA7E 0	DA7E 07 CCT 75		DH-74 (AED	0H-74 (AEDC V41B-88A)	REATING	HEATING DATA ON ORBITER FUSELAGE PORT	31 TER FUSEL	AGE PORT !	3018			PAGE 140
				CH-74 (AE	OC V418-88	CH-74 (AEDC V418-88A) BG2C12F10M16W127E52VBR19	10M16W127E	ZVBR19				(RV8001)
ā	TPA.'F	X	ON 3/1	H/HERE	H/HREF	H/HREF	H(970)	H(10)	H(TAM)	1000	TOMLO	2
MARKER		i C	!	8-0.9	R-1.0	R-TAH	8TU/ R	91U/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FT2SEC	FT2SEC	7SEC	
8	2.0000	.53000	23.000	.2380-01	19-0261.	.2650-01	1169-02	.9707-03	.1302-02	0691.	8.530	551.P
89	€.0000	. 5676.	₹.000	10-0891.	1390-01	. 1870-01	. 8258-03	.6861-03	.9195-03	.5450	5.903	540.P
89	2.1300	.62000	35.000	50-0077.	.6+00-02	-0098	. 3808-03	.3166-03	.4237-03	.2520		546.0
8	€.3000	.67000	26.000	.3900-02	.3200-02	-4300-05	. 1919-03	. 1596-03	.2136-03	. 1270	1.383	7.07.0
89	2.0000	. 70500	27.000	-500-05	. 1900-02	. 2400-0S	. 1063-03	.8846-04	.1:83-03	10-0014.	76:0	544.3
38	2.0000	.75000	28.000	3100-05	.2600-02	. 3500-02	. 1548-03	.1288-03	. 1722-03	.1030	181	543.4
89	2.0000	.60000	29.030	₹ 300-05	. 2400-32	. 3300-02	1439-03	.1197-03	. 1601-03	.9600-01	1.055	5/4.3
89	€.0000	. R2400	30.000	. 1200-02	. 1000-02	. 1300-02	.5709-04	¥0-8*C**	.6352-04	.3800-01	5270	0 · + 10
95	3.0000	.20000	31.000	. 3260-01	.2710-01	.36+0-01	. 1695-02	. 1332-02	. 1789-02	1.050	. 1. CB	554.7
89	3.0000	.22500	32.000	. 2660-01	.2210-01	.2970-01	. 1311-02	.1089-02	.1461-02	.8ċ10	9.602	551.8
89	3 0000	. 25000	34.600	. 2090-61	1740-01	.2330-01	1029-02	.8548-03	. 1145-02	.6790	7.577	549.2
93	3.0000	.27500	34.000	10-0151.	. 1260-01	. 1680-01	.7436-03	.6182-03	. 8276-03	. 4920	5.890	546.5
92	3.0000	.30000	35.000	.1630-01	1320-01	1810-01	.8003-03	.6654-03	. PTC5-03	5300	6.556	546.1
28	3.0000	.32500	36.000	.2800-01	.2320-01	.3110-01	-1377-02	. 1 144-02	. 1532-02	.9090	10.64	543.6
98	3.0000	.35000	37.000	.2710-01	.2250-01	.3010-01	. 1333-02	.1107-02	. 483-02	.8830	10.19	3.69.4
89	3.0000	.37500	38.000	.2050-0:	10-0121.	.2290-01	-1011-02	8400-03	.1125-02	. 6680	7.811	548.2
8	3.0000	40000	39.000	.2920-01	.2430-01	. 3250-01	. 1437-02	. 1194-02	. 1600-02	.9480	11.15	540.0
8	3.0000	.42500	40.000	3090-01	.2570-01	.3450-01	. 1523-02	.1264-02	696-02	1.001	11.85	551.4
69	3.0000	.45000	41.000	.2820-01	.2340-01	.3130-01	. 1385-02	.1151-02	55-55	.9130	0.50	549.5
8	3.0000	.47500	42.000	.2660-01	.2210-01	. 2960-01	. 1309-02	.1087-02	.1457-02	.8620	9.570	550.1
88	3.0000	.50000	43.000	1500-01	. 1240-01	10-0291	.7361-03	.6118-03	.8194-03	.4860	807. 1	547.9
89	3.0000	.52500	44.000	-00-008	.7400-02	. 9903-02	.4238-03	.3649-03	.4883-03	.2910	3.467	546.0
38	3.0000	.55000	45.000	.7200-02	.6000-02	-80008	.3528-03	.2934-03	. 3925-03	.2340	5.606	5,42.0
8	3.0000	.60000	45.000	-4500-02	3900-05	. 5000-05	. 2233-03	. 1858-03	.2484-03	1480	1.612	544.3
80	3.0000	.65000	47.000	-5800-05	50-00%°	3200-05	. 1400-63	.1165-03	. 1558-03	.9300-01	.9890	543.1
89	3.0000	.70000	48.000	-2100-02	.1700-02	. 2300-02	.1017-03	.8464-04	.1131-63	.6800-01	07*7	٠ م م م م
89	3.0000	.75000	49.00C	3:00-05	. 2600-02	.3500-05	.1538-03	.1280-03	. 1711-03	. 1020	†	5 to 1
99	3.0005	. 80000	50.000	3100-05	.2520-02	3400-05	.1507-03	. 1254-03	.1676-03	.1000+00	074	543.3
89	3.0000	.85000	E1 000	. 1800-02	1503-05	-2000-05	30- 3€.	.7462-04	·0-9866.	.5900-01	7.550	246.0
9 9	3.0000	.87503	52.000	. 1600-02	. 1309-02	. 1800-02	.7946-04	.6607-04	.8842-04	.5300-01	5510	1,000
89	3.0000	.90000	53.000	. 2600-02	.2100-02	.2900-02	. 1268-03	.1054-03	. 1411-03	.8400-01	1.167	9.0
8	3.0000	.92500	54.000	-008h.	20-0004.	.5300-05	. 2339-03	. 1944-03	.2603-03	. 1550	2.056	a i
89	3.0000	.95000	55.000	.5800-02	₹0-05¢.	.6500-02	.2874-03	.2389-03	.3199-03	. 1900	. 96.) 10 10 10 10 10 10 10 10 10 10 10 10 10
8	4.0000	. 20000	71.000	3340-01	10-0175.	10-02/2	1644-02	.1363-02	. 1834-02	690.	12.13	338.4
89	4.0000	.22500	72.000	10-0475.	.2280-01	.3060-01	. 1351-02	-11511.	. 1575-02	0.884	10.32	924.0
89	4.0000	.25000	73.000	.2470-01	. 2050-01	.2750-01	-1214-05	.1008-02	. 1353-02	. 7970	9.313	556.0
8	4.0000	.27500	₹.000	10-0475.	. 2280-01	.3050-01	.1349-02	-1120-02	. 1503-02	.8850	19.61	÷ i
8	4.0000	30000	36 .000	10-0562.	.2450-01	. 3290-01	. 1453-02	. 1207-02	. 16:9-02	.9550	4.4	97.00
8	₹.0000	. 32500	57.000	.2650-01	.2200-01	.2960-01	.1306-02	.1085-02	1455-02	.8590	5	551.R
8	4.0000	.25000	58.000	.2530-01	.2130-01	.2810-31	. 1243-02	.1032-02	1384-02	.8170	19.67	250.9
28	4.0000	27500	59.000	.2930-01	7440-01	. 3270-01	20-4441	.1199-02	. 1608-02	05.55	12,39	30. C.
89	4.0000	ეa00►.	600.00	. 1580-01	1310-01	10-0941	.7768-03	.6456-03	. B647-03	515. 2006	7 7 7	ייי ארן ש מייי ארן ש
28	۴.0000	. £2500	61.073	. 9200-02	.7600-02	1050-01	.4516-03	. 3755-03	.5045-03	יה אני	n ñ	n o

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DATE 07	DATE 07 OCT 75		CH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT	V418-88A)	HEATING DA	ITA ON ORB	ITER FUSEL		SIDE			PAGE 141
				04-74 (AED	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	B62C12F1	0H16W127E5	2V8R19				(RVB001)
ă	TDA.'F	X.1	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAM)	POOD	DTMD	3
N POCE	1	į	•	R=0.9	R=1.0	R-TAM	BTU, R	BTU/ R	81U/ R	B TU/	DEG. R	OEG. R
							FT2SEC	FT2SEC	FT2SEC	FT2SEC	/SEC	
9	0000	45000	62,000	.6800-02		7600-02	.3351-03	.2787-03	.3728-03	.2220	2.879	545.0
9	0000	47500	63.000	50-0064.	. 4000-05	.5400-02	.2392-03	.1990-03	. 266! -03	. 1590	2.023	544.3
3 2	0000	50000	64.000	3400-05		3800-02	.1660-03	.1381-03	. 1846-03	.1100	1.366	543.7
8 8	0000	52500	65.000	20-0052		2800-02	.1218-03	.1013-03	.1355-03	.6100-01	1.002	544.0
3 2	0000	55000	66.000	2000-05	. 1700-02	. 2300-02	.1004-03	.8351-04	.1116-03	.670:-01	. 7830	543.3
3 2	0000	.60000	67.000	. 1200-02		1400-02	٠٥-6265.	+0-976+.	+0-6+99.	.4000-01	0644.	542.5
3 3	4.0000	.65000	68.000	20-0091	. 1400-02	.1800-02	.8113-04	.6752-04	.9323-04	.5400-01	.6340	542.8
8	0000	70000	69.000	-1000-02		1100-02	.5062-04	.4211-04	.5630-04	3400-01	.3750	543.9
3 3	4.0000	.75000	70.000	500-05	. 20-0025.	3000-05	.1327-03	.1104-03	. 1476-03	.8800-01	0486.	543.5
3	4.0000	.80000	75.000	.1590-02	. 1200-02	1700-02	.7375-04	.6135-04	.8204-04	.4900-01	.5900	544.3
8	4.0000	.87500	77.000	. 1300-02	. 1100-02	1400-05	.6390-04	.5315-04	.7109-04	.4200-01	. 5560	544.5
8	, 0000	00006	78.000	.2500-02	. 2100-02	2800-05	. 1245-03	.1036-03	.1386-03	.8309-01	1.070	545.2
9	0000	.92500	79.000	50-0054.	. 3900-02	5100-02	.2257-03	.1876-03	. 2541-03	.1490	1.848	546.3
8	4.0000	.95000	80.000	.3900-02	. 3200-02	4300-05	.1911-03	.1589-03	2126-03	.1270	1.485	545.5
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DATE 0'	DATE 07 OCT 75		OH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	V418-88A)	HEATING !	DATA ON OR	BITER FUSE	LAGE PORT	SIDE			PAGE 142
,				OH-74 (AE	04-74 (AEDC V4;8-88A) BG2C12F10H1GW127E52VBR19	A) BG2C12F	10M16W127E	52VBR19				(RVB001)
ORB! 1E/	ORBITER FUSE, AGE							PARAM	PARAMETRIC DATA			
					BETA	. 0000	МАСН	B.000	ELEVON .	.0000	RUDDER .	.0000
			·		•••1ES1	***1EST CONDITIONS***						
ACK.	MACH	ALPHA	8	2	Ŧ S	YAW		a į	0 5	> {	SHO S	£ .
NUMBER		DEG.	Š	۲. د		2	۲. د	Š	₹ S	1/367	% FT3	LB-3EC /FT2
69	8.000	44.03	664.2	1345.	-179.9	.0000	97.50	10-0068	3.965	3870.	.7619-04	. 7847-07
RCN	FBN/L	HREF	STN NO									
NUMBER	X10 6	BTU/ R	# 6 8									
69	3.758	10-026+	.2081-01									
					•	TEST DATA	•					
N. O.	TRACE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	и То	H(1AH)	1000	DTMOT	3
NUMBER		1	•	R=0.9	8-1.0	R-TAM	BTU/ R	BTU/ R	BTU/ R	B TU/	DEG. R	OEG. R
							FT2SEC	FT2SEC	FT2SEC	FT2SEC	/SEC	
69	1.0000	.27500	1.0000	10-0541.	.1190-01	1280 01	.7031-03	.5847-03	.7824-03	.4670	628.4	546.8
69	1.0000	30000	2.0000	1350-01	.1126-01	. 1500-01	.6644-03	.5524-03	.7393-03	0144.	4.67!	546.9
69	1.0000	. 32500	3.0000	10-0241.	1190-01	.1590-01	.7026-03	.5842-03	.7819-03	.4660	4.780	546.9
8	1.0000	.35000	4.0000	1980-01	1650-01	10-0125.	.9754-03	.8108-03	-1086-02	.6460	6.684	247.9
69	1.0000	00004	6.0000	1770-01	19-08-11	1980-01	8730-03	7257-03	.9717-03	.5780	3.92 9.93	548.1
69	1.0000	.42500	7.0000	.2120-01	1760-01	.2360-01	. 1041-02	.8649-03	-1159-02	.5880	7.108	549.6
69	1.0000	. 45000	8.0000	.2410-01	.2000-01	.2580-01	.1184-02	.9840-03	.1319-02	. 7820	7.971	549.9
69	1.0000	.47500	0000.6	10-0691	. 1570-01	.2100-01	.9299-03	. 7727-03	.1035-02	.6150	6.235	540.5
69	1.0000	.50003	10.000	.3780-01	.3140-01	10-0124.	. 1859-02	1545-02	50-11-05.	1.226	12.38	# 000 m
F 04	0000.1	00055	12.000	3670-01	10-0505	10-0604	1807-02	50-1051	20-2102.	6.6	8.5	551.6
59	1.0000	60000	13.000	2930-01	2430-01	.3260-01	1441-02	. 1196-02	.1605-02	.9470	9.547	553.1
69	1.0000	.65009	14.000	.6600-02	.5500-02	50-C04C.	3251-03	.2711-03	.3629-03	.2160	2.185	547.4
69	1.0000	.70000	15.000	.1400-02	.:200-02	.1500-02	.6803-04	.5658-04	.7568-04	.4500-01	.4420	545.3
69	1.0000	.75000	16.000	. 3900-02	.3200-02	.4300-02	.1898-03	.1579-03	.2111-03	.1260	1.278	545.0
69	1.6300	.80000	17.000	20-0044.	.3700-02	20-006 h .	.2179-03	.1812-03	. 2424-03	. 1450	104.1	546.0
69	2.0000	.28500	18,000	1590-01	1320-01	10-0771.	.7810-03	.6493-03	.8691-03	.5180	6.065	5+7.2
69	2.0000	.33700	19.000	. 2550-01	.2120-01	.28%0-01	. 1254-02	. 1042-02	.1396-02	.8290	9.740	549.6
69	2.0000	. 39 000	20.000	.2200-01	. 1830-01	. 2450-01	.1082-02	. 8992-03	. 1204-02	.7160	8.423	548.5
69	2.0000	.42600	21.000	. 3420-01	.2840-01	.3810-01	.1581-02	. 1395-02	. 1872-02	1.105	12.90	552.9
69	2.0000	.47800	22.000	.4360-01	. 3620-01	.4860-01	.2146-02	.1781-02	. 2390-02	01 7 .		553.2

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DATE 07	2C 75		OH-74 (AED)	OH-74 (AEDC V418-88A)		ATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT	AGE PORT 9	3015			PAGE 143
				OH-74 (AE	04-74 (AEDC V418-88A) 862C12F10H16H127E52V8R19	D BESCIEFI	23751W31M0	2V8R19				(RVB001)
35	TRALE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HETAM	1000	DTWDT	
NUMBER				R=0.9	R. 1.0	R=124	81U/ R F125EC	BTU/ R FT2SEC	BTU/ R FT2SEC	BTU/ FT2SEC	DEG. R	056. R
69	2.0000	.53000	23.000	.2310-01	1920-01	10-0755.	1136-02	.9439-03	.1266-02	.7.90	6.317	551.1
69	2.0000	.56700	24.000	.1330-01	1110-01	1480-01	.6556-03	.5449-03	. 7297-03	.4340	4.707	548.4
69	2.5.000	.62000	25.000	5900-05	50-006h.	.6600-02	.2911-03	.2421-03	. 3239-03	. 1930	5.038	546.2
8	2,3000	.67000	26.000	3000-05	.2500-02	. 3300-02	.1456-03	. 1212-03	. 1620-03	.9700-01	1.056	543.7
69	2.0000	.70500	27.000	.2400-05	.2000-02	.2700-02	.1194-03	*3-0 1 66.	. 1328-03	.8000-01	.8580	543.3
69	2.0000	. 75000	28.000	-4100 -05	.3400-02	- P200-05	.2004-03	. 1668-03	. 2229-03	0,51.	1.468	£3.3
69	2.0000	9000g.	29.000	.3900-02	.3300-02	20-0044.	. 1941-03	.1615-03	.2159-03	1290	1.427	544.1
8	2.0000	.82400	30.000	. 1200-02	. 1000-02	.1300-02	40-7673 .	.4823-04	.6448-04	.3900-61	.5370	9. t . 0
ន	3.0000	.20000	31,000	3190-01	.2640-01	. 3550-01	.1567-02	. 1300-02	1746-02	1.028	10.85	554.7
69	3.0000	. 22500	32.000	2580-01	.2140-01	.2870-01	. 1267-02	.1052-02	1411-02	.8343	9.80	551.9
69	3.0000	. 25000	33.000	.2120-01	1760-01	. 2350-01	50-5401	, B552-03	. 1151-04	0690	7.096	0 1
6	3.0000	00575.	00. A	10-0121	10-0241	10-0061	. 0419-03	6988-03	. 9368-03	0800.	, d	0.77.0
	3.0000	20000	35.000	10-0402	10-00/1	10-0/22	20-4001.	50-1CEB.	20-B111	0/99.	9. 6.	246.7
2	3.0000	. 32500	36.000	.2790-01	.2320-01	3110-01	.1375-02	1143-02	.1530-02	9100	10.64	248.7
9	3.0000	.35000	37.000	.2350-01	1950-01	.2610-01	.1!54-02	.9596-03	50-5821.	. 7650	8.83.8 C. G.	1,48.1
69	3.0000	. 37500	38.000	10-01-2	.2003-01	.2680-01	.1186-02	.9855-03	320-02	7850		יים מיים מיים
69	3.0000	, 40000	39.000	10-0115	.2580-01	.3450-01	. 1530-02	. 1271-02	1703-02	1.011	9.6	0.04.0 0.04.0
60	3.0000	,42500	40.000	10-00/2	. 2250-01	. 3010-01	530-05	50-6611.	- 1841 - OC	08/80	95.0	970.8
S	3.0000	. +5000	41.000	.3040-01	.2530-01	.3390-01	50-1641.	.1243-02	. 1655-02	0886.	2.11	3.00.0
69	3.0000	. ~7500	42.000	.2160-01	1790-01	.2410-01	.:063-02	.8830-03	. 1183-02	.7020	7.794	323.8
9	3.0000	. 50000	43.000	1160-01	-9700-02	. 1290-01	.5710-03	50-8424	.6354-03	3790	4.613	
69	3.0000	. 52500	44.000	-0-0017.	59-00-05	. 7900 - 0Z	.3498-03	.2909-03	. 3891-03	. 2330	e. /et	0.0.0
69	3.0000	. 55000	45.000	.6300-02	.5300-02	20-000.	.3108-03	. 2585-03	.3457-03	. 2070	2.305	545.0
<u>0</u>	3.0000	.60000	46.00C	-4200-02	.3500-02	-4600-02	.2044-03	. 1701-03	. 2273-03	. 1350	084.1	7.4.
6	3.0000	.65000	47.000	-2600-02	.2200-02	20-0082.	.1275-03	.:061-03	. 14 18-03	10-0058	.9030	5.5.0 n.o.e
<u>6</u>	3.0000	. 70000	69.00 0	1933-02	. 1600-02	-2100-02	40-4056	7911-04	. 1057-03	.6500-01	D:0/.	บ. ก. ก.
9	3.0000	. 75009	49.000	3530-02	50-0052.	59-00-5	50-5171.	1468-03	50-8061.	00:00		11. 11. 11.
6	3.0000	00008.	50.002	50-0065.	50-005-	50-0015	.13/6-03	- 1 4 4 - 0 5 4 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	40-030.	10-00-6	. 400	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1
n 9	3.000	נייארם		15.00-02	1300-02	1703-02	7548-04	6277-04	.839B-04	5000-01	5200	546.0
5 5	3.0000	00006.	53.000	.2600-02	.2200-02	20-0062.	. 1292-03	.1074-03	.1437-03	.8600-01	1.193	546.5
69	3.0000	.92503	54.000	50-0044	.3500-02	50-006h.	.2154-03	1791-03	.2397-03	. 1430	1.869	547.2
69	3.0000	.95000	55.000	20-0014	.3400-02	-4600-02	.2025-03	.1584-03	. 2253-03	. 1340	1.359	546.7
69	4.0000	.20000	71.000	.3:90-01	.2650-01	.3563-01	. 1570-02	. 1302-02	. 1751 -02	1.024	11.62	558.4
69	4.0000	.22500	72.000	.2800-01	.2330-01	.3120-01	.1379-02	50-2411.	.1537-02	.9050	10.56	4.466
69	4.0000	.25003	73.000	.2770-01	.2300-01	.3080-01	. 1360-02	1129-02	.1515-02	.8950	75.01	552.9
5	۴.0000	.27500	74.000	.2910-01	.2410-01	.3240-01	. 1431-02	.1188-02	. 1594-02	0640	11.59	553.3
69	4.0000	30000	56.000	.3140-01	.2610-01	.3500-01	.1547-02	. 1284-02	.17?3-02	1.017	13.27	552.9
69	4.000 0	. 32500	57.000	.2600-01	.2160-01	.2900-01	.1281-02	.1064-02	. 1426-02	.8440	11.02	551.6
69	₩. 0 000	.35000	28.000	.2760-01	.2290-01	3080-01	. 1358-02	.1128-02	.1513-02	.8950	11.68	552.0
69	4.0000	.37500	59.000	. 2800-01	.2330-01	.3120-01	.1379-02	1146-02	. 1536-02	0016.	17.88	550.8
9	٠, 0000	\$0000°	20.000	1320-01	10-0601	10-0341	.6475-03	.5383-03	.7206-03	969	5.616	c: /
69	£.0000	. 42500	61.000	.8600~02	.7100-02	-0096	.4223-03	.3512-03	. 4698-03	0082	5.0/1	2.0.2

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DATE D	DATE 07 OCT 75		OH-74 (AEDC	. V418-B8A)	V*18-884) HEATING DATA ON ORBITER FUSELAGE PORT	DATA ON OR	BITER FUSEI		3015			PAGE 144
				OH-74 (AE	OH-74 (AEDC V418-88A) BG2C12F1OMIGW127E52V8R19	A) BEZCIZE	10M16W127E	52VBR19				(RVB001)
PCN	TRACE	X	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAH)		OTMOT	¥
NUMBER				R=0.9	R=1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FT2SEC		/SEC	
69	4.0000	. 45000	62 .000	.5800-02	20-006h.	.6500-02	.2876-03	. 2392-03	.3199-03		2.478	94.4.0
59	4.0000	.47500	63.000	.4200-02	.3500-02	£0-004.	.2079-03	.1730-03	.2313-03		1.762	544.7
69	4.5000	.50000	6 +.000	.2600-02	. 2200- 02	5000-05	.1297-03	.1079-03	.1442-03		1.071	543.7
69	4.3000	. 52500	65.000	. 1900-02	. 1600-02	-2100-05	40-6446·	.7863-04	.1051-03		.7800	543.7
69	4.0000	.55000	66.000	.1600-02	. 1300-02	. 1800-02	.7789-04	.6482-04	. 8661-04		.6100	543.2
69	4.0000	. \$0000	67.000	. 1300-02	.1100-02	. 1500-02	.6622-04	.5512-04	.7364-04		.4980	542.5
69	4.0000	.65000	68.000	. 1500-02	. 1300-02	.1706-02	.7475-04	.6222-04	.8312-04		.5860	542.9
69	4.0000	.70000	69.000	. 1400-02	.1100-02	.1500-02	.6643-04	.5529-04	.7388-04		0464.	543.5
69	4.0000	. 75000	70.000	20-0062	50-00-5.	.3200-02	.1412-03	.1175-03	.1571-03		1.049	543.6
69	4.0000	.80000	75.000	. 1400-02	. 1200-02	1500-02	.6848-04	.5697-04	.7617-04		.5490	544.7
69	4.0000	.85000	76.000	.2000-02·	. 1600-02	. 2200-02	.9595-0¥	-0-1861	.1067-03		.7560	545.2
69	4.0000	.87500	77.000	. 1200-02	. 1000-02	.1300-02	.5882-04	+0-2684	.6544-04		.5120	545.4
69	4.0000	00006	78.000	. 2600-02	.2100-02	.2900-02	.1270-03	.1056-03	.1414-03		1.092	546.3
6	4.0000	. 92500	79.000	.5400-02	S0-0054.	.6000-02	.2671-03	. 2220-03	. 2972-03	0771.	2.187	547.6
69	4.0000	.95000	80.000	.6700-02	.5500-02	. 7400-62	. 3281-03	.2727-03	. 3652-03	.2170	2.543	548.1

THE FLOSEL AGE HUCH ALPHA ALPHA PO 10 PHI YM 1 P P 00 CECVON . 0000 RADORR . 1000 RADORR . 1175 RADORR . 1170 RAD					OH-74 (A	OH-74 (AEDC V418-88A) BG2C12F1UMIGH127E52V8R19	A) BG2C12F	10H16H127E	52V8R19				(RVB002)
MACH MAPPA PO TO PHI YAM T P O O O O O O O O O	OPB TER	FUSEL AGE							PARAM	ETRIC DATA			
### PO 10 PH1 YM4 T P P 0 0 V RP40 #### PACH PGG R PG DGG R PG PG 97.90 900-02 A010 3619. B816-05 ##### PACH PGG R PG DGG R PG 97.90 900-02 A010 3619. B816-05 #### PACH PGG BTU R R- #### PACH PGG BTU R PGG BT 90 900-02 A010 3619. B816-05 #### PACH PGG BTU R PGG BTU R PGG BTU R PGG BTU R PGG PGG R PGG PGG PGG PGG PGG PGG PGG					•	BETA				ELEVON		RUDOER .	.0000
March Marc						531	T CONDITIO	Š					
### 19.83 81.70 1179, -174.3 1.000 87.90 900-02 4010 3619. 9816-05 17324 910-05 173	S. S.	HACH	ALPHA	2 2	01 0	1Hd	YAW	o - 0	a 9	o g	>	OHE C	₹ 5
**************************************	4	6		נה ה ה		, , , , , , , , , , , , , , , , , , ,		2 60	40-000	4 00	36.7	/FT3	/FT2
## F 571 NO **11 1530-01 5634-01 **211 1530-01 5634-01 **211 1530-01 5634-01 **211 1530-01 5634-01 **221		3									i		
TRACE X.L T/C NO H/HREF H/HREF H/19101 H(10) H(17M) GD0T DTIADT R=0 9 R=1.0 R=1M RTV R BTU/R BTU	RUN NUMBER	RN/L X10 6	HREF BTU/R	STN NO									
TRACE X.L 1/C NO H/HREF H/HREF H(910) H(10) H(1744) GDOT DTHADT R=0 9 R=1.0 R=14H H(910) H(170) H(1744) GDOT DTHADT R=0 9 R=1.0 R=14H H(910) H(170) H(1744) GDOT DTHADT R=0 9 R=1.0 R=14H H(910) H(170) H(1744) GDOT DTHADT R=0 9 R=1.0 R=14H H(910) H(170) H(1744) GDOT DTHADT R=0 9 R=1.0 R=1.0 R=16H H(910) H(170) R(170)	92	/FT	F125EC . 1530-01	.0175 .6034-01									
TRACE X/L 1/C NO H/HREF						•	TEST DATA.	:					
R=0 9 R=1.0 R=0 HU/R BTU/R B	S	TRACE	×/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HCTAW	1000	DTMDT	3
1,0000 27500 1,0000 1,930-01 1,160-01 1,516-03 1,960-03 2,950-03 1,130 1,130 1,130-01 1,220-01 1,9000 1,27500 1,0000 1,220-01 1,0000 1,220-01 1,900-01 1,900-03 1,9000 2,0000 1,220-01 1,900-01 1,900-03 1,9000 1,	NUMBER				R=0 9	R=1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
1,0000	i							FIRSEC	FIRSEC	FIRSEC	F 125EC	75.	•
1.0000 35500 4,0000 9800-02 1100-01 1567-03 1228-03 1763-03 18100-01 18350 1.0000 1.35500 4,0000 9800-02 18000-02 1100-01 1507-03 1228-03 1700-01 18350 1.0000 1.0000 1.25000 4,0000 9800-02 1.0000 1.128-01 1.128-03 1.128	8 8	1.0000	30000	7.0000	1830-01	10-0011	1510-01	. 1872-03	1526-03	2,65-03	0511.	1.176	547.0
1.0000 .35000 4.0000 .9800-02 .8000-02 .1110-01 .1507-03 .1699-03 .7800-01 .8130 1.0000 .37500 5.0000 .7900-02 .6500-02 .1214-03 .9896-04 .1370-03 .7800-01 .6640 1.0000 .42500 7.0000 .8900-02 .1010-01 .1539-03 .1112-03 .1977-03 .7300-01 .7400 1.0000 .42500 7.0000 .8900-02 .1210-01 .1539-03 .1112-03 .1930-03 .7100-01 .7450 1.0000 .47500 .9000 .1340-01 .1510-01 .2650-03 .1931-03 .1931-03 .7100-01 .7100-01 .7450-03 .7100-01	92	1.0000	.32500	3.0000	.1020-01	.8300-02	.1150-01	.1563-03	.1274-03	.1763-03	.0100-01	.8350	541
1,0000 37500 5,0000 2,0000 1,0000 1,1000 </td <td>25</td> <td>1.0000</td> <td>.35000</td> <td>4.0000</td> <td>.9800-02</td> <td>-8000-05</td> <td>.1110-01</td> <td>.1507-03</td> <td>.1228-03</td> <td>.1699-03</td> <td>.7800-01</td> <td>.8130</td> <td>541.1</td>	25	1.0000	.35000	4.0000	.9800-02	-8000-05	.1110-01	.1507-03	.1228-03	.1699-03	.7800-01	.8130	541.1
1,0000	92 1	1.0000	.37500	5.0000	50-006.	.6500-02	.9000-02	. 1214-03	.9896 	.1370-03	.6300-01	.6640	4. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
1,0000 4500 9,0000 112001 1330-01 1510-01 2650-03 1671-03 2313-03 1990-01 19110 11.0000 47500 9,0000 1330-01 1330-01 1510-01 2650-03 1671-03 2313-03 1900 1.096 11.0000 10.000 11.0000 10.000 11.00000	6 %	1.0000	. 40000	7.0000	50-0016. 8900-08	.7300-02	10-0501	1365-03	.1140-03	. 1539-03	.7100-01	.7360	. 14. 14. 14.
1,0000 .4750 9,0000 .1340-01 .1510-01 .2650-03 .1671-03 .2313-03 .1070 1,086 1,0000 .5907 10,000 .1530-01 .1330-01 .2496-03 .2816-03 .1300 1,316 1,0000 .5500 11,000 .1530-01 .1570-01 .2890-03 .2816-03 .1530 1,516 1,0000 .5500 12,000 .2020-01 .1570-01 .2890-03 .2816-03 .1530 1,516 1,0000 .5500 12,000 .2020-01 .1570-01 .2890-01 .2890-03 .4873-03 .1650 1,0000 .5500 14,000 .4950-01 .4840-03 .2890-03 .1520 .2550 1,0000 .5500 14,000 .4950-01 .4840-03 .5984-03 .3210 .2554 1,0000 .5000 .3470-01 .2860-01 .3350-03 .4180-03 .3786-03 .3786-03 .3786 1,0000 .5000 .1800-01 .2890-01 .3350-03	92	1.0000	.45000	8,0000	11.20-01	50-0616.	1260-01	.1712-03	1395-03	. 1931-03	.8900-01	0116.	541.3
1,0000 59000 10,0000 1,0000<	76	1.0000	.47500	9.0000	1340-01	.1090-01	10-0151.	.2050-03	. 1671-03	.2313-03	.1070	1.086	541.1
1,0000 55500 11,000 1,930-01 1,570-01 2,890-03 2,405-03 3328-03 1530 1,555 1,0000 55000 12,000 2020-01 1,650-01 3088-03 2517-03 3483-03 1,600 1,612 1,0000 55000 12,000 2770-01 3130-01 4240-03 3455-03 4783-03 1,612 1,0000 5600 14,000 4050-01 33300-01 4570-01 5601-03 5698-03 2750 2.683 1,0000 7,5000 15,000 2790-01 2860-01 3355-03 1418-03 5984-03 2750 2.683 1,0000 7,5000 16,000 21160-01 1778-03 1448-03 1448-03 1448-03 1748-03 1758 2,0000 28500 18,000 1,100-01 1,490-01 271-03 1,490-03 1448-03 273-03 1,690-03 1,200-03 1,200-03 1,220-03 1,200-03 1,200-03 1,220-03 1,200-03 1,200-03 1,200-03	76	1.0000	.50003	10.000	1630-01	1330-01	. 1840-01	.2496-03	. 2035-03	.2816-03	. 1 300	1.316	541.1
1,0000	92 ;	1.0000	.52500	11.000	. 1930-01	.1570-01	.2180-91	.2950-03	.2405-03	.3328-03	. 1530	1.555	
1,0000	6 h	1.0000	00005	14.000		10-0506	2,30-01	20088-03	20-71C2.	.5465-05	2001.	7.0.7	ָרָ מָ מַרָּמָ מַרְמָּ
1,0000 70000 15,000 15,000 15,000 1,0000 </td <td>5 5</td> <td>1.0000</td> <td>. 65000</td> <td>14.000</td> <td>4050-01</td> <td>3300-01</td> <td>10-0515.</td> <td>.6201-03</td> <td>5051-03</td> <td>.6998-03</td> <td>.3210</td> <td>3.25</td> <td>543.2</td>	5 5	1.0000	. 65000	14.000	4050-01	3300-01	10-0515.	.6201-03	5051-03	.6998-03	.3210	3.25	543.2
1.0000 .37500 16.000 .2190-01 .1790-01 .3755-03 .2732-03 .3786-03 .1740 1.758 1.0000 .80000 17.000 .1160-01 .9500-02 .1310-01 .1778-03 .1448-03 .2006-03 .9200-7 .9920 2.0000 .28500 18.000 .1320-01 .1070-01 .1490-01 .2014-03 .164:-03 .2273-03 .1050 .1.78 2.0000 .33700 19.000 .1260-01 .1020-01 .1420-01 .1930-03 .165-03 .1000+00 .1.18 2.0000 .3460-01 .1340-01 .1850-01 .2512-03 .2047-03 .2833-03 .1300 .1.84	92	1.0000	.70000	15.000	3470-01	.2820-01	.3910-01	.5302-03	4319-03	. 5984-03	.2750	2.683	543.4
1.0000 .80000 17.000 .1160-01 .9500-02 .1310-01 .178-03 .1448-03 .2005-03 .9200-7 .8920 2.0000 .28650 18.000 .1320-01 .1070-01 .1490-01 .2014-03 .164:-03 .2273-03 .1050 1.227 2.0000 .33700 19.000 .1260-01 .1020-01 .1420-01 .1930-03 .1567-03 .2169-03 .1000+00 1.178 2.0000 .39000 20.000 .1260-01 .1030-01 .1420-01 .1930-03 .1573-03 .1000+00 1.184 2.0000 .42600 .21.000 .1840-01 .1850-01 .2512-03 .2047-03 .1800 1.531	92	1.0000	.75000	16.000	.2190-01	1.190-01	.2480-01	.3355-03	.2732-03	.3786-03	.1740	1.758	543.7
2.0000 .28500 18.000 .1320-01 .1070-01 .1490-01 .2014-03 .164:-03 .2273-03 .1050 1.227 2.0000 .33700 19.000 .1260-01 .1020-01 .1420-01 .1923-03 .1573-03 .21000+03 .178 2.0000 .39000 20.000 .1260-01 .1340-01 .1850-01 .2512-03 .2047-03 .2833-03 .1300 1.531	92	1.0000	.80000	17.000	.1160-01	50-0056.	1310-01	.1778-03	.1448-03	.2006-03	:-0026.	. 8920	543.3
2.0000 .33700 19.000 .1260-01 .1020-01 .1920-01 .1923-03 .1567-03 .2169-03 .1000+00 1.178 2.0000 .39000 20.000 .1260-01 .1030-01 .1920-01 .1930-03 .1573-03 .277-03 .2004-00 1.184 2.0000 .42600 21.000 .1640-01 .1340-01 .1850-01 .2512-03 .2047-03 .2833-03 .1300 1.531	76	2.0000	.28500	18.000	.1320-01	10-0201	10-06+1.	.2014-03	. 164: -03	. 2273-03	. 1050	1.227	5+2.5
2.0000 .39000 20.000 .1260-01 .1030-01 .1420-01 .1930-03 .1573-03 .2177-03 .20000 1.184 .2.0000 .42600 21.000 .1640-01 .1340-01 .1850-01 .2512-03 .2047-03 .2833-03 .1300 1.531	36	2.0000	.33700	19.000	. 1260-01	10-0201.	.1420-01	. 1923-03	.1567-03	.2169-03	.1000+00	1.178	541.8
2.0000 .42 600 21.000 .1640-01 .1340-01 .1850-01 .2512-03 .2047-03 .2633-03 .1300 1.531	92	2.0000	.39000	20.000	. 1260-01	.1030-01	. 1420-01	.1930-03	.1573-03	.2177-03	1000+00	. 184	7.140
	92	2.0000	. 42600	21.000	16-01	1340-01	10-030	2512-03	2012104	20-22-00	- 400	- 621	- 14

į) 4L-170	H-14-14-14-18-18-18-18-18-18-18-18-18-18-18-18-18-	יי סכטנושנו	#36C (FIST NO	278R19				(RVB002)
į						7 DOEC1E:		1				1
				!	į	!				1000	70710	2
3	TRATE	۲×	1/C NO	M/HREF	H/HREF	H/HW.	0.00					2
NUMBER				R=0.9	R-1.0	R-TAH	810/ K	F12GFC	610/ A	FTZSEC	, 25c	
					.0000	0000	F163-03	20-2111	F152-03	2830	3,149	545
3 7	2.0000	.53000	23.000	10-0005.	10-0052	. 40F0-01	£0-1905	5776-03	8002-03	.3670	3,993	543.2
36	2.0000	.56700	2000	10-0101	10-00/6	0-050	6777-03	FU-60C4	50-4159	2990	3.251	543.1
76	2.5.000	.62000	32.000	10-0//5	10-0/05	10-0054	00-01/0	20-1000	50-810E	0221	931	0.140
76	2.3000	.67000	2e.00c	.2230-01	1820-01	10-02C	.3416-03	50-10/0.	20-01-00	0//		5
76	2.0000	.70500	<i>2</i> 7.000	10-004	.1380-01	10-0161	.2595-03	50-6115.	50-1262	020.	y (
76	2.0000	.75000	20.00	1300-01	. 1060-01	14-02-11	. 1988-03	. 1620-03	. 2543-03	0501.	1.133	, d. e.
£	2.0000	.80000	29.000	-086 0.	.8000-02	.1110-01	. 1504-03	. 1225-03	. 1697-03	.7800-01	98.	
28	2.0000	.82400	30.000	.2900-02	.2300-02	. 3200-02	.4392-0 4	.3579-04	10-1561	.2300-01	.3180	541.8
76	3.0000	.20000	31.000	.3090-01	.2510-01	3490-01	.4723-03	.3846-03	. 5331-03	.2440	2.583	544. N
7	2.0000	22500	32.000	.2250-01	1840-01	2540-01	. 3448-03	.2808-03	. 3891-03	.1780	1.997	543.7
) t	2000		33.000	1770-01	1440-01	.2000-01	.271!-03	.2208-03	.3059-03	.1400	1.573	9 1 3.2
, נ	2000	27500	2000	10-0241	1160-01	.1610-01	.2187-03	.1782-03	.2467-03	. 1 1 30	359	542.5
6 8	9,000	20002	200.75	1400-01	1060-01	1460-01	. 1983-03	.1616-03	.2237-03	.1030	1.276	9.140
6 6	9.0026	00000	36 000	1200-	1080-01	1490-01	. 2025-03	.1650-03	.2284-03	.1050	1.234	541.8
۽ ۾	3,0000	2000	22.602	1380-01	1130-01	1560-01	.2118-03	.1726-03	.2389-03	.1100	1.278	541.6
ę	2,0006	מסטור .	20.00	0-0041	1160-01	1600-01	2176-03	1774-03	.2455-03	.1130	1.327	541.6
١	3.0000	0000	20.000	10-0216	10-024	2450-01	.3322-03	.2708-03	.3746-03	.1730	2.039	-: 3
2 1	3.0030	0000.	000.60	10-0006	10-0116	19-0877	4577-03	3729-03	.5163-03	.2370	2.817	542.2
9 }	3.0000	0004.	200.11	2650-01	10-0006	10-0-01	F447-03	4438-03	.6145-03	.2830	3.232	542.3
2	3.0000	0000	000.14	10-0005	10-0002	L560-01	6175-03	5031-03	.6968-03	.3200	3.567	545.8
92	3.0000	0007 4.	000.	10-05-04	26.0-01	5000-00	6772-03	5516-03	.7642-03	3510	3.907	543.4
Q ;	3.0000	00000	20.5		10-00m2	10-0404	5559-03	5342-03	7400-03	.3400	3.986	543.0
9/	3.0800	טטניטל.	600.4	10-0505	10-0000	10-0114	5605-03	4567-03	6324-03	0162	3.239	542.7
9 ;	3.0000	00000	000.04	10-0000	ים-מפני	10-0026	10-12-CE	2638-03	.3652-03	.1680	1.828	542.0
9,	3.0000	.60000	46.000	10-0212.	10-0-11	1620-01	50-6706	1689-03	2447-03	1080	1.143	541.7
76	3.0000	.65900	47.000	10-9681	10-0011.	10-051.	50-203.	50 500:	50-6671	7900-01	.8750	542.0
76	3.0000	.70000	48.000	10-0001	20-0018.	10-0511.	20-606	*O-F40:	1457-03	5700-01	7290	542.1
76	3.0000	. 75000	49.000	50-00 -0 0	20-0069.	50-00ce.	. 1636-03	0.52.01	50-6161	5600-01	5980	μ. υ. υ.
76	3,0000	.80000	20.000	- 7000/ ·	20-00/6.	30-006/	50-0701.		21.77-04	10-0001	010	747
92	3.0000	.85000	51.000	. 1200-02	-1000-05	20-00-1-	-0551.	+0-0+0-1.	10-01-0	0-0002	0.27	צוראיא
76	3.000€	.87501	52.000	20-0064.	20-0604.	-00cc.	*D-//*/	-0-0-0a.	10-0510.	0000	0000	243
76	3.0000	00006	53.000	.6200-02	.5100-05	.7000-02	.9506-04	*D-1*/	50-5/01.	10-0064	000	
75	3.0000	.92500	000. ₹	.7400-02	.6000-02	-00-05	.1135-03	+D-++26.	. 1281-03	10-0066	050/	
92	3.0000	95000	55.000	.6100-02	.5000-02	.6900-02	.9336-04	.7605-04	. 1053-03	.4800-01	0054	143.
2 %	0000	.20000	71.000	.3480-01	.2830-01	10-0265.	.5325-03	.4333-03	.6012-03	.2740	3.132	545.8
i k	0000	22500	72.000	.2770-01	.2260-01	.3130-01	.4240-03	3453-03	.4786-03	.2190	2.569	ま、ままの
i k	1		73.000	2020-01	1650-01	.2280-01	.3091-03	.2517-03	.3488-03	. 1600	1.875	543.8
ה	1	27500	74.000	.1660-01	1350-01	1870-01	.2537-03	.2066-03	. 2863-03	.1310	1.627	543.2
ָרָ עָ	0000	20002	56.000	1520-01	1240-01	1710-01	. 2324-03	. 1893-03	.2622-03	. 1200	1.579	9,42,8
ָרָ פַּ	0000	2500	57.000	1750-01	.1420-01	19-0461	.2669-03	.2175-03	.3012-03	. 1380	1.816	5.01G
6 h	1.000	35000	20.00	2500-01	2040-01	.2820-01	.3629-03	.3120-03	.4320-03	. 1990	2.604	542.6
ę į	0000.	33000	90.00	2650-01	10-BB05	10-01-7	5601-03	.4562-03	.6320-03	.2900	3.802	543.3
ę	4.000u	000.5	200.60									
	0000	0000:	000	10250-01	3450-01	4790-01	6495-03	.5290-03	.7330-03	.3360	60±.±	543.3

DATE 0	DATE 07 OCT 75		OH-74 (AEDC V418-BBA) HEATING DATA ON ORBITER FUSELAGE PORT	V418-B8A)	HEATING (DATA ON ORE	IITER FUSEI		SIDE			PAGE 147	_
				OH-74 (AED	XC V418-88A	04-74 (AEDC V418-88A) 862C12F10M16.{:27E52V8R19	OM16.{- 27E!	52V8R19				(RVB002)	
Ž	186.7	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAH)	DO0	DTMOT	2	
NUMBER	•	l		R=0.9	R-1.0	R-TAH	BTU/ R	91U/ R	BTU/ R	9TU/	DE0. R	DEO. R	
			,	;			718950	FTZSEC	FTESEC	FIRSEC	7367	4	
5	4.0000	15000 145000	62 ,000	.2950-01	10-01 %	3340-01	.4533-03	. 3493-03	50-6116.	. 2550	3.040		
76	€.0000	.47500	63.000	.2370-01	10-0261.	.2870-01	. 3620-03	. 2950-03	.4085-03	.1880	2.393	3.0	
, 52	4.1.300	20000	64.000	16-0491.	. 1330-01	. 18+0-01	. 2501-03	. 2038-03	. 2822-03	. 1 300	1.609	542.0	
, K	3000	52500	65.000	.1300-01	10-0901	1470-01	1991-03	. 1623-03	.2247-03	.1030	1.281	5¥1.8	
2	0000	55000	66.000	.1150-01	20-0046.	1300-01	.1759-03	.1434-03	.1985-03	10-0016	1.073	541.7	
25	4.0000	.60000	67.000	-20-0077	.6300-02	.8700-02	.1:84-03	+0-6 +96 .	.1335-03	.6200-01	.6930	541.8	
5 52	4.0000	.65000	68.000	.6100-02	20-0064.	.6800-02	.9261-04	.7548-04	. 1045-03	10-0085	.5650	41.7	
5	\$.0000	70000	69.000	.5500-02	-4500-02	.6200-02	40-1148 .	.6853-04	*0- 06 *6 *	.4400-01	.4860	545.6	
7.	0000	75000	70.000	5400-05	50-0044.	-6100-05	.8302-04	.6765-04	.9365-04	10-0054	0184.	542.0	
9	4.0000	00000	75.000	.3100-02	.2500-02	.3500-02	+0-7774.	.3892-04	.5390-04	.2500-01	. 2990	542.5	
, K	0000	85000	75.000	.6600-02	5400-05	.7500-02	.1014-03	-0-+928°	. 1144-03	.5300-01	.6250	a. 146	
, k	0000	.87500	77.300	.1900-02	. 1600-02	. 2200-02	-1262.	.2381-04	.3296-04	.1500-01	1990	541.9	
ķ	0000	00006	78.000	5100-05	50-0011.	.2400-02	.3217-04	.2621-04	.3629-04	1700-01	.2:60	545.2	
, K	0000	.92500	79.000	5400-05	50-0044.	.6000-02	.8195-04	.6678-04	.9246-04	.4300-01	.5270	542.2	
92	4.0000	.95000	80.000	.3000-03	.3000-03	.4000-03	.4823-05	.3930-05	50-0445	.3000-02	10-0052.	541.8	

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DATE 07	DATE 07 OCT 75		0H-74 (AEDC	04-74 (AEDC V41B-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	HEATING [DATA ON OR	31 TER FUSEI	LAGE PORT S	3015			PAGE 148
				OH-74 (AE	04-74 (AEDC V418-88A) BG2C12F10M1GW127E52VBR19	A) BB2C12F	10M16W127E!	52VBR19				(RVB002)
008116	ORBITER FUSE, AGE							PARAME	PARAMETRIC DATA			
÷					BE1A	1.000	MACH	• 8.000	ELEVON .	.0000	RUDDER	. 0000
					••• 1ES1	***TEST CONDITIONS***	•••SN					
RUN	МАСН	ALPHA DEG.	8 <u>4</u>	T0 DEG. R	PH. 056.	7A4	T DEG. R	P SIA	0 418	V FT/SEC	SLUGS	MU LB-SEC
4	7.880	№ .80	06.10	1177.	-168.7	1.000	87.70	50-0006.	.4020	3616.	.8853-05	.7062-07
ACN	RBV/L		STN NO									
N. T. S.	X10 b	FT2SEC	.0175									
F .	.4533	1531-01	.6020-01									
					:	**** DATA***	:					
2	TRACE	x/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAM)	D00	DTMOT	3
NUMBER	1			R=0.9	R=1.0	R=TAW	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FTZSEC	FTZSEC	FT2SEC	FT2SEC	/SEC	
TT.	0000	.27500	1.0000	.1620-01	1320-01	1830-01	.2477-03	.2019-03	.2795-03	.1280	1.332	0.140
£ !	0000.	.30000	2.0000	10-002.	50-0096.	1350-01	1835-03	1126-03	.2070-03	10-00 cs .	1.01	540.6
: 1:	0000	35000	4.0000	20-0066	8100-02	1120-01	1521-03	1240-03	.1715-03	.7900-01	.8190	7.076
: F	1.0000	.37500	5.0000	10-0501	.8500-02	1160-01	.1602-03	. 1306-03	. 1838-03	.8300-01	.8740	540.9
tt	1.0000	.40000	6.0000	10-0611.	50-0076.	1350-01	. 1827-03	. 1489-03	. 2060-03	. 9500-01	04/6.	2.0.7
t.	0000	12500	7.0000	10-0661	10-0411	1570-01	.2136-03	25-1-03	E0-80-2.	0111.	1.150	010.7
: F	0000	10000	9.000	10-0007	10-01-01	2350-01	50-50es	2815-03	3621-03	. 1660	1.692	7.15
	0000	50067	10.000	.2270-21	10-052!	.2560-01	3+80-03	.2835-03	. 3927-03	. 1800	1.826	541.7
£	1.0000	. 52500	11.000	3390-01	.2760-01	. 3820-01	.5185-03	. 4223-03	.5851-03	.2680	717.5	5.6.5
2	1.0000	. 52000	12.000	.3820-01	3110-01	4310-01	.5847-03	.4762-03	.6598-03	.3020	3.034	יים אוני היים מיים מיים מיים
F 1	0000.	.60000	13.000	32.0-01	.2510-01	3610-01	50-205h.	. 3992-03	.055c. 83e0-05	. 5.50 0.550	1.567	540.8
: F	0000	20000	2000	10-0501	-0-056. -0-0088.	. 1230-01	.1663-03	.1354-03	. 1877-03	.8600-01	.8400	542.8
: 4	0000.1	.75000	16.000	-00 -03	.6900-02	9500-02	.1292-03	.1052-03	.1458-03	.6700-51	.6770	542.4
F	00001	.80000	17.900	. 5900-02	-4800-05	.6700-02	.9038-04	.7360-04	. 1020-03	.4700-01	.4520	545.8
rr	€.0000	.28500	18.000	1590-01	.1300-01	. 1800-01	. 2439-03	.1988-03	. 2751 -03	. 1270	1.487	540.3
11	2.0000	.33700	19.000	. 1450-01	.1180-01	. 1630-01	.2215-03	. 1808-03	. 2501-03	.1150	1.361	539.8
7	≥.0000	. 39000	20.000	1930-01	:1570-0:	.2170-01	.2951-03	.2405-03	. 3328-03	. 1530	1.808	540.3
4	€.0000	. +2600	21.000	. 2900-01	.2360-01	3270-01	E0-0444.	.3618-03	.5009-03	.2300	2.701	0.1.0 0.1.0
E	€.0000	.47800	22.000	10-0-01	.3290-01	.4560-01	.6186-03	. 5039-03	.6981-0.5	. 3 400	5 200 200 200 200 200 200 200 200 200 20	94c.s

DATE 07 OCT	7 OCT 75		OH-74 (AEDC	0H-74 (AEDC V41B-B8A)	HEAT ING D	ATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT	AGE PORT S	3015			PAGE 149
				OH-74 (AE	04-74 (AEDC V418-88A) 862C12F10H16H127E52V8R19	B62C12F1	OM164127E	2V8R19				(RV8002)
3	TRAIT	, , , , , , , , , , , , , , , , , , ,	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAH)	9000	DTWDT	Ŧ
ACPER.	í	į))	R=0.9	R-1.0	R=TAH	9TU/ R	81U/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FT2SEC	FT2SEC	7SEC	
4	2.0000	.53000	23.000	.3250-01	.2650-01	.3670-01	.4981-03	.4057-03	.5622-03	.2570	2.867	342.9
F	2.0000	.56700	000. ₹	.2120-01	.1720-01	.2390-01	.3239-03	. 2638-03	. 3655-03	.1670	1.820	5,5,5
7.	2.000	.62000	25.000	1333-01	10-0801.	.1500-01	.2035-03	.1658-03	.2296-03	.1050	1.145	542.2
H	2.3000	.67009	26.000	-8700-02	-20-0017.	30-0066	.1337-03	.1089-03	. 1508-03	10-0069	.7510	542.6
12	2.0000	.70500	27.000	.7500-02	-6100-02	.B400-02	.1144-03	.9322-04	. 1291-03	10-0065	.6380	6.148
7	2.0000	.75000	28.000	-60009	-4900-D2	.6800-02	.9218-04	.7511-04	.1040-03	10-0084	.5250	741.4
4	2.0000	.80000	29.000	.5100-02	.4200-02	.5800-02	.7852-04	.6398-04	. 8859-04	10-0014	0644.	541.6
4	2.0000	.82400	30.000	.7000-03	.6000 -03	.8000-03	.1066-04	.8685-05	.1203-04	£000-05	10 007.2	541.7
4	3.0000	.20000	31.000	.3170-01	.2580-01	.3570-01	.4847-03	.3946-03	.5473-03	.2500	2.648	544.3
t	3.0000	.22500	32.000	.2580-01	.2100-01	.2910-01	.3949-03	.3216-03	.4456-03	0.05.	2.286	542.5
F	3.0000	.25000	33.000	10-0602.	.1700-01	.2360-01	.3201-03	.2608-03	.3611-03	.1660	1.859	541.3
+	3.0000	.27500	34.000	1600-01	.1300-01	.1800-01	.2446-03	. 1994-03	.2759-03	.1270	1.524	540.1
1	3.0000	.30000	35.000	1460-01	1190-01	1650-01	.224!-03	.1827-03	. 2527-03	.1160	1.445	539.4
1	3.0000	.32500	36.000	1580-01	1290-01	1790-01	.2413-03	.1968-03	. 2721-03	.1250	5. 4. I	539.3
: F	3.0000	35000	37.000	1810-01	10-0841.	.2050-01	.2777-03	.2264-03	.3132-03	0441.	1.679	539.6
: F	3.0000	.37500	38.000	. 2550-01	.2080-01	.2870-01	.3901-03	.3180-03	.4399-03	.2030	2.381	539.8
1	3.0000	40000	39.000	.3210-01	.2610-01	.3520-01	.4912-03	.4003-03	.5541-03	. 2550	3.007	8.043
. #	3.0000	.42500	40.000	.4160-01	.3390-01	10-0694.	.6363-03	.5183-03	.7179-03	.3290	3.905	6.136
12	3.0000	45000	4:.000	. 3820-01	.3110-01	10-0154.	.5851-03	.4767-03	.6601-03	.3030	3.464	541.7
7	3.0000	7500	42.000	.3240-01	.2640-01	.3560-01	.4966-03	.4046-03	.5603-03	.2570	2.867	54:.6
F	3.0000	.50000	43.000	.2750-01	.2250-01	.3120-01	.4231-03	.3447-03	.4773-03	.2190	5,44.5	5+, .7
£	3.0000	. 52500	٠٠٠ . 000	.1700-01	1390-01	1920-01	.2607-03	.2124-03	. 2941-03	.1350	1.585	541.5
£	3.0000	.55000	45.000	.1330-01	10-0631	1510-01	.2043-03	. 1665-03	. 2305-03	. 1060	1.180	9+1.4 1
F	3.0000	.60000	46.000	.9903-02	S000000.	1110-01	.1512-03	. 1232-03	.1706-03	.7800-01	.8520	541.6
11	3.0000	.65000	47.300	.6800-02	.5600-02	50-0077.	.1045-03	.8515-04	.1179-03	.5400-01	.5750	541.0
4	3.0000	. 70000	48.000	.5500-02	50-0044.	.6200-02	.8355-04	·0-8089·	₹0-52 -6	.4300-01	.4780	5 . 1.1
11	3.0000	.75000	49.000	.3900-02	.3200-02	20-0044	.5978-04	.4872-04	.6744-04	3100-01	.3370	0.140
7.7	3.0000	. 80090	50.000	. 2500-02	.2003-02	.2800-02	.3776-04	.30-7-CE.	.4260-04	.2000-01	.2100	541.1
7	3.0000	.85000	51.000	.2200-02	. 1800-02	.2500-32	.3365-04	+0-1+62.	.3797-04	10-0041.	.2150	542.2
11	3.0000	.87503	52.000	S0-00E4.	.3500-02	-4800-0 2	.6544-04	.5330-04	.7385-04	.3400-01	0614	542.5
F	3.0000	.9000	53.000	20-00+4.	.3609-02	-006h.	.6695-04	10-55+G	.7557-04	.3500-01	0184	543.1
£	₹,0000	.92500	54.000	.3800-02	.3100-02	.4300-02	· 5844 - 04	*0-65L*.	.6596-04	.3000-01	. 3960	543.1
F	3.0000	.95000	55.000	.3500-02	.2800-02	. 3900-02	.5297-04	40-4184	.5978-04	.2700-01	.2770	542.6
F	4.0000	.20000	71.090	.3740-01	.3040-01	.4220-01	.5723-03	.4656-03	.6464-03	. 2940	3.353	546.0
4	₩.0000	.22500	72.000	.2870-01	.2340-01	.3240-01	.4392-03	.3576-03	.4958-03	0755.	2.657	543.5
F	4.0000	.25005	73.000	.2280-01	. 1863-01	.2580-01	.3+95-03	.2847-03	.3944-03	. 1810	2.120	54.5
r	4.0000	.27500	74.000	.2090-01	10-0041.	.2360-01	.3197-03	.2605-03	.3607-03	. 1650	2.050	541.7
£	4.0000	.30000	56.000	10-08/1.	14-20-01	.2010-01	. 2727-03	. 2223-03	.3076-03	.1410	1.857	540.6
t	• . 0000	.32500	57.000	.2610-01	.2120-01	.2943-01	.3989-03	. 325: -03	£0-6644.	. 2070	2.715	540.8
F	4.0000	.35000	58.000	.3760-01	3060-01	10-0424	.5755-03	.4589~63	.6493-03	. 2980	3.907	80 i
t	4.0000	.37500	59.000	.3470-01	.2820-01	.3910-01	.5309-03	.4324-03	.5988-0	05/5.	3.605	a (
r	٠.0000	C0004.	60.000	.2450-01	.2000-01	.2769-01	. 3752-03	.3057-03	.4232-03	. 1940	6.55!	7
£	4.0000	.42500	61.000	.1720-01	1400-01	13-0-61.	.2639-03	.2143-03	.2967-03	. 1360	99/ :	7. 7.

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DATE 07 0CT	27 TOC T		OH-74 (AED)	OH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT	HEATING	DATA ON OR	BITER FUSE	LAGE PORT	3018			PAGE 150
				OH-74 (AE)	X V418-89.	04-74 (AEDC V418-88A) 862CL2F10MIGHIZ7E52V8R19	3751W31M01	52VBR19				(RVB002)
25	TRAITE	x/L	T/C NO	H/HREF	H/HREF	H/HREF	H(910)	н(10)	H(TAM)	1000	DTMDT	3
NUMBER				R=0.9	R=1.0	R-TAM	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FTZSEC	FTZSEC	FT2SEC	FT2SEC) SEC	
4	4.0000	. +5000	62.000	. 1280-01	10-0401.	10-044.	. 1961-03	.1598-03	.2212-03	. 1020	1.318	7. I.S
4	4.0630	.47500	63.000	.1060-01	.8600-02	.1200-01	. 1623-03	. 1323-03	. 1831-03	10-0048	1.072	5.1.5
4	4. r.300	. 50000	64.000	.8600-02	.7000-02	50-0076.	. 1321-03	.1076-03	.1490-03	.6800 -01	.8480	541.3
4	۰، 3000	.52500	65.000	.7000-02	5700-05	.7900-02	.1074-03	.B747-04	.1211-03	.5600-01	.6890	4.140
4	•.0000	.55000	66.000	.5600-02	.4500-02	.6300-02	.8514-04	.6937-04	.9605-04	10-00+4	.5180	541.3
F	4.0000	.60000	67.000	.4300-02	.3500-02	-7006 4.	.6652-04	.5422-04	7504-04	3400-31	3890	\$40.8
7	¥.0000	.65000	69.000	.3500-02	.2900-02	.4100-05	.5542-04	+516-04	.6252-04	.2900-01	.3370	541.3
F	4.0000	. 70000	69.000	.2300-02	. 1900-02	.2600-02	.3528-04	.2874-04	.3980-04	1800-01	.2030	542.0
F	4.0000	. 75000	000.07	.2500-02	-2100-05	.2900-02	.3873-04	.3156-04	40-69E4°	.2000-01	.2240	541.0
£	₩.0000	.80000	75.000	.9000-03	.7000-03	.1000-02	. 1322-04	.1077-04	.1492-04	.7000-02	.8300-01	3.136
F	€.0000	.87500	000.77	.6000-03	.5000-03	.7000-03	.9066-05	.7389-05	. 1023-04	.5000-02	•	540.8
4	4.0000	00006.	78.000	.1100-02	.9000-03	. 1200-02	.1637-04	. 1334-04	.1847-04	-8000.05	•	541.0
F	4.0000	.92500	79.000	. 1000-02	.8000-03	. 1200-02	1577-04	. 1285-0	1779-04	-00008.	•	540.8
F	٠. 0000	.95000	80.000	.3000-03	.3000-03	.4000-03	.4823-05	.3930-05	50-0445.	.3000-02	.2900-01	541.8

Contract Care

かられているというないのでは、これのでは、これのでは、これのでは、これのは、これのでは、これの

A CONTRACTOR

PO TO PHI YAN Y PSIA BECLEF IOMIGNIETEE PETA - 1.000 HACH	DATE 07	DATE 37 OCT 75		A 11-15	מייון נאבטר ויום-ספאן ייבעוויים מאוא מיי מייהיים בייהיים מייח								
### PO 10 PMI VM T P P P 0 CEC. R CEC. R PSIA PSIA FTYSEC CONDITIONS #### PO 110 PMI VM T P P P 0 CEC. R CEC. R PSIA PSIA FTYSEC CUITS CONDITIONS ### PO 110 PMI VM T P P P 0 CEC. R CEC. R CEC. R PSIA PSIA FTYSEC CUITS CONDITIONS ### PO 110 PMI VM T P P P 0 CEC. R CEC. R CEC. R PSIA PSIA FTYSEC CUITS CONDITIONS ### PO 110 PMI VM T P P P 0 CEC. R CEC. R CEC. R PSIA PSIA FTYSEC CUITS CONDITIONS ### PO 110 PMI VM T P P P 0 CEC. R CEC. R CEC. R PSIA PSIA FTYSEC CUITS CONDITIONS ### PO 110 PMI VM T P P P 0 CEC. R CEC.					0H-74 (AE	DC V418-88A	AS BECLEF	OM164127ES	2V8R19				(RVB00
##CH ALPM PO 10 PHI YM Y P P G. 0.000 ELEVON0000 R.CORR P. 1.000 PHI YM Y P P G. 0.000 ELEVON0000 R.CORR PO C. 0.000 PHI YM Y P P P G. 0.000 ELEVON0000 R.CORR PO C. 0.000 PHI YM Y P P P P P P P P P P P P P P P P P	DRB I TER	FUSE, AGE							PARAM	TRIC DATA			
NACH ALPM PO TO PHI YAH T P Q V R40						BETA		HACH		ELEVON -		RUDDYR =	.0000
HACH ALPHA PO						•••1ES1	T CONDITIO	ç					
### ### #### #### ####################	RUN NUMB'R	MACH	ALPHA 0£6.	02 ¥ ¥3	T0 DEC. R	PH1 066.	YAH DEG.		PSIA	0 PSIA	V FT/SEC	RHO SLUGS	#U LB-SEC
### ### ### ### ### ### ### ### ### ##	æ	7.880	29.63	B2.30	1176.	-90.06	1.000	87.60	.9000-02	0404.	3615.	.8903-05	.7056-07
TRACE X/L I/C NO HVHREF HVHREF H19TO1 H1TO1 H1TAH1 DDOT DTHDT TH R-0.9 R-1.0 R-1A4 BTU/R B	RUN NUMBER 78	RN/L X10 6 /FT .4561	HREF BTU' R FT2SEC .1535-01	57N NO R. .0175									
TRACE X/L 1/C NO H/HEFF H/HEFF H/HEFF H/HEFF H/HEFF H/HTP H/LV R						•	TEST DATA+	:					
1,0000 27500 1,0000 1,	3	TRACE	x,r	T/C NO	H/HREF	H/HREF	H/HREF	н(910)	H(10)	HCTAM	000T	DTMDT	
1,0000 27500 1,0000 1,320-01 1,380-01 1,990-01 1,990-03 1,956-03 2,990-03 1,950 1,116 1,990-01 1,990-01 1,990-03 1,956-03 2,990-03 1,950 1,116 1,990-01 1,990-01 1,990-03 1,990-03 1,990-03 1,990-01 1,990-03 1,990-03 1,990-03 1,990-01 1,990-03 1,990-03 1,990-01 1,990-01 1,990-03 1,990-03 1,990-03 1,990-01 1,990-03 1,990-	NUMBER				R=0.9	R=1.0	R=TAH	BTU/ R	81U/ R	8TU/ R	BTU/	DEG. ₹	_
1,0000 3,0000 3,0000 1,320-01 1,990-01 1,997-03 1,656-03 2,294-03 1,105 1,	8	2000	00566	0000	1570-01	1280-01	1780-01	7.17-03	. 1968-03	.2727-03	.1250	2.79€	5.545
1.0000	2 2	0000	30000	2.0000	1320-01	1080-01	10-0641.	.2033-03	.1656-03	.2294-03	. 1050	1.116	541.7
1,0000	36	1.0000	32500	3.0000	.1030-01	. 8400-02	10-0711.	.1587-03	. 1293-03	1790-03	. 8200-0!	. 8430	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
1,0000	8	1.0000	2000	4.0000	1220-01	52-0066.	10-0861.	50-1/81.	20-7201	2044-03	10-00-6	0.86	542.1
1,0000	2 2 9		00004	5.00cg	1770-01	1440-01	2000-01	.2717-03	2713-03	. 3056-03	.1400	344.1	542.0
1,0000 4,7500 9,0000 2,500-01 2,030-01 2,030-01 3,030-03 3,019-03 4,188-03 1,910 1,955 1,0000 4,7500 9,0000 2,550-01 2,030-01 2,030-01 2,030-03 3,119-03 4,234-03 1,970 2,049 1,0000 2,500-01 2,0000 1,940-02 1,0000 1,940-02 1,940-01 2,940-01 1,940-03 3,272-03 3,234-03 1,970 2,049 1,0000 1,940-02 1,940-03 3,234-03 1,940-03 3,234-03 1,540	2 25	1 0000	1,000	7.0000	.2030-01	1650-01	.2290-0:	.3!!4-03	.25.35-03	.3514-03	.16:0	1.663	542.7
1,0000 4,7500 9,0000 2550-01 2030-01 3830-03 3119-03 4534-03 11970 2.1970 1.0000 1.0000 1.0000 2550-01 3850-03 3550-03 5350-03	. B	1.0000	45000	B.0000	. 2420-01	10-0761.	.2730-01	.37:0-03	.302,-03	.41BB-03	0161	 6.9. c	543.0
1,0000 50000 11,000 2860-01 2130-01 2960-01 4019-03 3272-03 2070 2.096 1,0000 52500 11,000 2860-01 2130-01 2960-01 2960-03 3272-03 3284-03 1540 1.541 1,0000 52500 13,000 19,000	82	1.0000	.47500	9.0000	.2500-01	. 2030-01	.2820-01	.3830-03	.3119-03	4324-03	5 F F F F F F F F F F F F F F F F F F F	2,472	543.5
1,0000 1	78	1.0000	.50063	10.000	3090-01	10-0150	10-06-5	50-85/4.	50-5755	4537-03	.2070	2.036	543.5
1.0000	6 6	0000.	00656	000.11	13-0401	10-0891	10-0612	2980-03	2,26-03	.3364-03	. 1540	1.94.1	543.3
1.0000	20 2	0000.1	00005	000.50	1120-01	-0016.	. 1260-01	.1720-03	. 1400-03	.1941-03	10-006 6	.8970	543.5
1.0000	9 P	0000	. 65000	14.000	50-036	.7800-02	1083-01	. [462-03	.1191-03	. 1651-93	1500-1	.7530	543.5
1,0000 .75000 16,000 6 00-02 .5000-02 .6900-02 .9427-04 .7674-04 .1064-03 .4900-01 .4920 1,0000 .106000 17.000 .4500-02 .3700-02 .5100-02 .6882-04 .5603-04 .7768-04 .3500-01 .3400 1.572 .20000 .28500 18.000 .1690-01 .1380-01 .1310-01 .2853-03 .18-03 .2786-03 .1340 1.572 .20000 .29000 .1900-01 .1380-01 .4591-03 .37864-03 .3780 .1390 .2990-01 .3380-01 .3580-01 .3780 .2780 .2780 .2780 .3780	2 62	0000	70000	07.0 \$1	.75.30-62	-6100-05	.8500-02	.1158-03	·0-92•6	.1397-03	.6000-0:	.5830	543.4
1,0000 . 60000 17,000 . 4300-02 .3700-02 .5100-02 .5682-04 .5603-04 .7768-04 .3500-11 .3440 . 1569-09 . 15603-04 .7768-04 .3500-11 .3800-01 .1800-01 .1800-01 .1800-01 .1800-01 .1800-01 .1800-01 .1800-01 .1800-01 .1800-01 .1800-01 .1800-01 .1800-01 .1800-01 .1800-01 .1800-01 .38000-	6	1.0000	.75000	16.000	.6 00-02	.5000-02	-0069	.9427-04	7674-04	. 1064-03	10-0064	0264	0.00
2.0000 .2850 18.000 .1690-01 .1380-01 .2933-03 .2735-03 .2736-03 .2736-03 .2736 .2336 .2336 .2336 .23370 .23360 .29000 .1900-01 .1210-01 .2289-03 .1864-03 .2582 .3 .1330 .2336 .23370 .2736 .27370	82	1.0000	.80000	17.000	-005 h.	5700-05	5100-02	.6882-04	.5603-04	40-89-7C	10-0068	577	0. u. u. u. u. u. u. u. u. u. u. u. u. u.
2.0000 .33700 19.000 .1490-01 .1210-01 .1580-01 .1289-03 .1804-03 .2062 .3 .1120 .2.70	78	2.0000	.28500	18.000	.1690-01	1380-01	10-01£1.	. 2523-03	50-51.5.	60-a; 65.	00.	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2.0006 .39000 20.000 .2990-01 .4940-01 .3580-01 .3584-03 .3589-03 .2790 3.258 2.0000 .%2600 21.000 .3510-01 .2860-0: .3570-01 .5394-03 .4391-03 .6090-03 .2790 3.358	9 2	2.0000	33700	19.000	1490-01	.1210-01	1680-01	.289-03	1864-03	ני שנים. גיים ימות	0270	7.04	9.4
2.0000 42500 61.000 331.0-1 12000 1 4089-03 3329-03 4615-03 2110 2.347	78	2.0000	.39000	20.000	10-0889	10-0466	10-0252	50-16CF.	4391-03	6090-03	.2790	3.258	543.5
	2 6	2.0000	.42600	21.000	10-01ce.	2-0962.	3010-01	£0-6804°	.3329-03	+615-03	2110	2.347	543.3

TO SEE THE PROPERTY OF THE PRO

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DA1E 07 OCT	27 DCT 75		OH-74 (AED	04-74 (AEDC VN18-88A)	HEAT ING	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	BITER FUSE	LAGE PORT	STOE			PAGE 152
				OH-74 (AE)	DC V*18-B8	04-7% (AEDC V418-88A) 962C12F10M16W127E52V8R19	104164127E	52V8R19				(RVB002)
2	TRANE	χ	1/C NO	H/HREF	HYMEE	H/HREF	H(910)	HCT01	H(TAH)	1000	DTWDT	7
NUMBER				R=0.9	R-1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FTZSEC	FTESEC	FT2SEC	/SEC	
6	2.0000	53000	23.000	10-00-1	10-0411	1280-01	.2147-03	,1748-03	. Y.Y03	.1110	1.232	7.F.O. F.
78	2.0000	. 56700	₹. 300	1143-01	.9300-02	. 1290-01	.1754-03	. 1428-03	.1980-03	.9000-01	.9820	543.3
æ	≥. €.000	.62000	23.000	.8600-02	.7000-02	-0076	.1315-03	.1070-03	. 1484-03	.6800-01	.7370	543.1
ළ	2.3000	.67000	26.000	.5800-02	£0-00C4.	.6600-02	.8924-04	.7266-04	.1007-03	10-0094.	.5000	543.0
60	2.0000	. 70500	27.000	.5400-0S	30-00hh.	.6100-02	.8260-04	.6726-04	.9323-04	10-0024	.4590	542.6
92	€.0000	.75000	28.000	.5400-05	50-00 ₄₄ .	20-0019.	.8255-04	.6724-04	.9315-04	.4300-01	.4680	941.9
82	2.0000	. 80000	29.000	3900-05	3200-02	20-00*4.	.6003-04	.4890-0 1	.6775-04	.3100-01	.3420	541.9
78	2.0000	.92400	30.000	2000-03	2000-03	2000-03	. 3224-05	-, 2626-05	3639-05	2000-02	2300-01	941.9
82	3.0000	. 20000	31.000	3140-01	.2550-01	.3540-01	.4812-03	391 +-03	5436-03	.2470	2.613	546.0
32	3.0000	.22500	32.000	.2730-0!	.2220-01	.3080-01	.4191-03	.3410-03	.4732-03	.2150	2.411	4.440
78	3.0000	25000	33.000	.2140-01	1740-01	.2410-01	. 3279-03	.2670-03	.370:-03	. 1690	1.892	543.1
85	3.0000	.27500	34.000	10-09/1	1430-01	10-0861	.2699-03	.2198-03	.3045-03	1390	1.671	9-1-6
8,	3.0000	.30000	35.000	. 1500-01	.1220-01	. 1690-01	.2302-03	. 1875-03	. 2597-03	.1190	1.476	541.1
Ĕ,	3.0000	32500	36.000	10-0181	10-0841.	.20+0-01	.2781-03	.2266-03	.3138-03	. 1440	1.589	5.1.5
'n.	3.0000	.35000	37.000	.2570-01	.2090-01	.2900-01	.3944-03	.3213-03	.4450-03	.2040	2.367	5.1.7
79	3,0000	.37500	36.000	. 3630-01	.2950-01	10-0014	.5569-03	.4535-03	.6285-03	.2870	3.370	542.7
82	3.0000	40000	39.000	.2630-01	.2140-01	.2970-01	.4035-03	.3286-03	.4554-03	.2080	2.457	546.2
92	3.0000	.¥2500	40.000	.2380-01	19-0-61.	. 2690-01	.3651-03	. 2973-03	.4121-03	. 1880	2.233	542.6
78	3.0000	.45000	11.000	1940-01	10-0851.	. 2200-01	. 2985-03	. 2431-03	3369-03	. 1540	1.760	542.5
86	3.0000	. 47500	42.017	19-02+1	:50-01	10-0091	.2174-03	.1770-03	.2453-03	.1120	1.251	542.3
92	3.0000	.50000	43.000	1180-01	.9600-02	. 1330-01	. 1806-03	. 1471-03	. 2038-03	.9300-01	1.039	542.6
82	3.0000	52500	44.000	.9200-02	500-057.	10-0-01	.1416-03	.1153-03	.1598-03	.7300-01	.8570	5+2.5
æ	3.0000	.55000	45.000	.8600-02	.7000-02	-9700-02	.1322-03	.1077-03	.1492-03	.6800-01	.7600	5.42.4
6	3.0000	.60000	46.000	.6300-02	5200-05	.7200-02	40-04/6	. 7933-04	1099-03	.5000-01	5470	542.1
82	3.0900	.650.0	47.000	. 3600-02	.2900-02	20-000 4 .	±0-85±0.	*0-84 **.	.6204-04	. 2800-01	.3020	6.136
۴	3.0000	0000.	48.000	3400-05	.2800-02	.3900-02	.5284-04	430x-04	.5962-04	.2700-01	. 3020	9. I &
86	3.0000	.75000	49.000	. 2300-02	20-0061	.2600-02·	. 3542-04	-S88 2 -04	.3996-04	1800-01	1990	4.14
29	3.0000	. 80000	50.000	.4000-03	. 3000-03		.6213-05		.7011-05	. 3000-02	3400-01	541.6
82	3.0000	Souch.	51.000	•	8000-03	•	- 1592-04	•	- 1797-04	8000-02	1020	542.8
92	3.00°¢	.87501	52.000	.5000-03	.4000-03	.6000-03	.8016-05	.6527-05	.9048-05	-000oh.	.5100-01	542.8
8 6	3.0000	.90000	53.000	.4000-03	.3000-03	.4000-03	.5902-05	.4806-05	.6663-05	.3000-02	.4200-01	543.0
6 5	3.0000	.92500	34.9 00	. 1500-02	. 1200-02	.1700-02	.2332-04	1889-04	.2632-04	.1200-01	. 1580	£3.0
85	3.0000	.95000	8. 8	. 7000-03	.6000-03	.8000-03	-11411	. 9295-05	. 1288-04	.6000-02	.6000-01	542.3
92	+.0000	.20009	71.000	.3720-01	. 3020-01	10-0054.	.5706-03	.4638-03	.6448-03	.2910	3.323	547.7
82	4.0000	.22500	72.000	.3090-01	.25:0-01	10-06.4E	.4741-03	.3857-03	.5354-03	£430	2.821	545.2
92	4.0000	.25000	73.000	.2270-01	. 18*0-01	10-09;3	.3476-03	.2829-03	. 3925-03	1790	2.097	544.0
82	₩.000	.27500	930. ¥	.2030-01	. 1650-01	.2290-01	.3108-03	.2530-03	. 3508-03	.1600	1.983	943.1
Þ	7.000€	.30000	56.000	.2370-01	1930-01	.2670-01	. 3632-03	. 2958-03	.4170-03	.1870	2.457	542.6
92	. 0000	.32500	57.000	10-0962	10-01 V.	.3350-01	.4549-03	.3704-03	.5135-03	.2340	3.073	543 1
6	0000	35000	56.000	10-0793.	.2170-01	.3010-01	.4095-03	.3335-03	.4622-03	.2110	2.768	545.8
8	4.0000	17500	59.000	. 1950-01	. 1590-01	.2210-01	. 2999-03	.2442-03	.3384-03	. 1550	2.031	542.2
92	4. 000 0	00004	60.000	1370-01	10-0111.	19-04-1	.2098-03	1709-03	. 2368-03	.1080	1.421	942.3
82	4.0000	,42500	61.000	10-0-01	-00-8	10-0/11.	.1590-03	. 1295-03	.1795-03	. 8200-01	1.071	542.2

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CATE 07 0CT	50 73		04-74 (AEDC V418-BBA) HEATING DATA ON ORBITER FUSELAGE PORT	V418-88A)	HEATING (DATA ON OR	BITER FUSE	LAGE PORT	3018			PAGE 153
				OH-74 (AE	04-74 (AEDC V418-88A) BG2CI2F10M16WIZ7E5ZVBR19	A) B62C12F	10M16W127E	\$2VBR19				(RVB002)
2	TRATE	x/Ł	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAM)	000 T	DTWDT	2
MAGER				R=0.9	R=1.0	R-TAW	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FT2SEC	FTZSEC)3S/	
8 2	₹.0000	. +5000	62.000	.7930-02	.6400-02	.8900-02	. 1209-03	.9948-04	.1365-03	.6200-01	.9090	542.5
22	4.0000	.47500	63.000	.6600-02	5400-05	.7400-02	.1010-03	. 8225-04	.1140-03	.5200-n:	. 5640	545.2
2	4, r.300	.50000	000° ¥9	S0-0014.	.3400-02	.4500-02	.6314-04	.5143-04	.7125-04	.3300-01	0404	541.9
87	4.3000	.52500	65.000	5 ,-00th.	3500-02	5000-35	,6764-04	40-60SS.	.7633-04	.3500-01	.4330	541.9
92	*.0000	.55000	66.000	₹?-00 9 ₹	.2100-02	. 2900-02	.3999-04	. 3258-04	4513-04	.2100-01	.2430	9.1.6
8	₹.0000	.60000	67.000	.2800-02	.2300-02	.3200-02	.4320-04	.3520-04	+0-+L8+.	.2200-01	.2520	541.0
92	¥.0000	.65000	68.000	.2200-02	. 1800-02	20-00+Z	.3315-04	.2701-0%	.3741-04	10-0021.	.2010	541.3
2	4.0000	.7000	69.0c0	. 2500-02	.2100-02	50-0062	3908-04	.3183-04	10-01 tr.	.2000-01	. 2250	542.1
92	4.0000	75000	70.000	.1500-02	. 1300-02	.1700-02	.2376-04	.1936-04	.2681-04	.1200-01	. 1370	0+1·-
52	۴.0000	.80000	35.000	.2000-03	£0-0002°	.2000-03	. 3324-05	.2708-05	3751-05	. 2000-02·	.2:00-01	541.6
P P	₩. 0000	.65000	- 000.94	.5270-02	4300-02	- 5900-05	- 40-9408	6555-04	+0-8206	-,4200-01	7.4940	541.3
87	¥.000G	.87500	77.000	0000	0000.	.1000-03	.7287-06	.5937-06	.8221-06	0000.	. 5000-02	541.0
78	4.0060	00006.	78.000	.2000-03	1,000.03	.2000-03	.2402-05	. 1957-05	.2711-05	.1000-02	1600-01	541.3
82	4.0000	.92500	- 000.64	. 1500-02	1267-02	1700-02	2336-04	-,1903-04 -,2636-04 -,1200-01	2636-04	- 1500-01	1500	541.3
92	₩.000u	.95000	60.001	.8000-03	.6000-03	.9000-03	.1175-04	.9573-05	. i 326-04	.6000-02	.7100-01	541.4

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DATE 07 OCT 75	ACT 730		0H-74 (AEDC	04-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	HEATING 3	ATA ON ORB	ITER FUSEL	AGE PORT S	306			PAGE 154
				04-74 (AE	X W18-884	04-74 (AEDC V418-88A) 862C12F10M16W127E52V9R19	OMIGWIE7ES	85V8R19				(RV8002)
ONB! TER	DABITER FUSE, AGE							PARAM	PARAMETRIC DATA			
					8£1A	1.000	MACH	B.000	ELEVON .	.0000	RUDDER .	.0000
•					1631	***TEST CONDITIONS***						
RIN	# CH	ALFINA DEG.	8 <u>8</u>	10 DEG. A	₹ 9€6.	YAH DEG.	→ DE6. A	9 51 A	PSIA	V F1/SEC	SLUGS	235-87 FB-55C
67	7.680	8 . 4	88.00	<u> </u>	9.00	1.000	87.50	20-0006.	.4030	3612.	/FT3 .8886-05	70-4-07
*	8	5	STN NO									
MJ-BER	9 01X	BTU/ R	4 6									
ጽ	\$	1631-01	.6007-01									
					•	**************************************	•					
4	Thare	¥/1	2/C	HIMMEF	H/HREF	H/HREF	H(910)	HC 101	H(TAH)	1000	DTMDT	
NEMBER		i	•	8.0°E	R=1.0	R-TAH	BTU/ R	BTU/ R	9TU/ R	BTU/	5.C. R	DE G. R
							FTZSEC	FT2SEC	FT2SEC	FTZSEC	/SEC	į
ጽ	1.0000	0057.2	1.0000	1460-01	10-0611	16-05-01	.2239-03	. 1823-03	.2527-03	. 1.50	267.1	
ድ	1.0000	.30000	2.0000	13-0-01	10-0501.	1510-01	.2045-03	1965-03	-2508-03	0001.	8260	9.13
2 1	1.0000 1.0000	0002		10-0-01	3300-06.	16-01-01	52-01-63	1800-03	20-55-C3	0711	1.182	ei.
e e		9000	5.0000	1650-03	1350-01	. 1870-01	20-40°	.2063-03	.2860-03	. 1300	1.372	542.0
e E	1.0003	40000	6.0000	.P400-01	10-0561	.2710-01	.3671-03	.2989-03	£0-4414	0681.	₹ -	542.0
6	1.0000	. 42500	7.0000	.2020-01	1650-01	.2280-01	.3097-03	.2522-03	3450-03	1590	1.652	m of the
8	0000.1	.45000	8.0000	.2500-01	.2030-01	.2820-01	3824-03	.3113-03	.4316-03	1970	2.013	0.54.0 0.04.0
ድ	1.0000	.47500	9.0000	.2670-01	10-0115.	3010-01	.4087-03	.3327-03	50-6194.	0015.	2 CY	1. v. v. v. v. v. v. v. v. v. v. v. v. v.
ድ (3.0000	. 300C.	10.000	10-02-01	10-054:	10-0566	20-4000.	50-08% 50-08%	50-654F	1570	1.587	9.040 0.03
2 4	0000	00000	200	10-6521	10-0241	13-30-01	.2681-03	.2193-03	3026-03	1380	1.385	5,5,5
2 2	200.	0000	34.000	6-051	9300-02	1290-0	1755-03	1429-03	1981-03	10-0006	.9150	542.¢
2 2	0000	00059	14.000	10-080	.8800-02	1220-01	.1653-03	.1346-03	1865-03	.8500- 0 1	.9610	542.5
? 2	1.0000	.70000	15.000	-8100-05	.6600-02	-9100-05	. 1235-03	.1005-03	51 621.	.6300-01	.6210	542.3
2	1.9000	75000	16.000	5400-05	-4400-05	.6100-02	.8287-04	.6748-04	.93 53 -04	10-0024	.4320	Ø¥1.9
E.	1.0000	.80000	17.009	-20 00 -05	. 1600-02	. 2300-02	.3098-04	7523-04	3497-34	. 1500-01	. 1550	541.8
8	≥.0000	.28500	16.000	1630-01	1330-01	1840-01	.2499-03	. 2035-03	.2821-03	. 1290	1.508	342.4
æ	€.0000	.33700	19.003	10-0-1	11420-01	10-0961	.2663-03	-2169-03	3006-03	.1370	1.617	on ::
ድ	≥.0000	33000	20.000	10-0562	10-00 N	3330-01	4519-03	3679-03	5101-03	5350		, i
ድ	2.c000	,4260 0	21.000	.2720-01	.2210-01	.3070-01	.4165-03	.3391-03	20-1074	9 1 4		1 of 10 of 1
ጀ	5.0000	1,7800	22.000	10-0-01	1500-01	.2070-01	.2813-03	. 2290-03	.3'75-03	٠ <u>٠</u>	ž.	5. o

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DATE 07	07 0CT 75		OH-74 (AEDC V418-88A)	(V418-88A)	HEATING D	ATA ON ORB	HEATING DATA ON ORBITER FUSELAGE PORT		S10£			PANE 155	
				OH-74 (AE	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19) 962C12F1	OM164127E5	2V8R19				(AVB002)	
RGN	TRATE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(T0)	HETAM	abot	DTWDT	¥ 6	
NUMBER				8.0°		R-TAW	BTU/ R FT2SEC	BIJ/ R F12SEC	FT2SEC	FTSSEC	756. ×		
67	2.0000	.53000	23.000	.13+0-01	10-0601.	.1510-01	£0-6h02.	.1568-03	.2317 -03	.1050	1.175	542.2	
Φ	2.0000	.56700	₩.000	.1040-01	.8500-02	.1180-01	. 1598-03	. 1301-03	. 1804-03	.8200-01	. 8950	9.1.6	
67	2.1.300	.62000	25.000	.8300-02	.6800-02	.9400-02	. 1277-03	.1040-03	.1442-03	.6600-01	.7150	54I.8	
97	2.3000	.67000	26.000	.7200-02	.5900-02	.8100-02	.1106-03	·0-£006	.1248-03	.5700-01	.6190	541.7	
67	2.0000	.70500	27.000	.5300-02	.4300-02	.5900-02	.8046-04	.6553-04	+0-0306 .	.4100-01	0644.	4.146	
6	2.0000	.75000	28.000	.3500-02	رت-3000.	50-C004.	.5368-04	4373-04	.6058-04	.2800-01	. 3040	5,0,9	
67	2.0000	.80000	29.000	.1800-02	. 1500-02	.2000-02	.2729-04	.2223-04	.3079-04	10-00%1.	.1550	1.170	
5	2.0000	.82400	30.000	.1000-03	. 1000-03	.1000-03	. 1387-05	.1129-05	.1565-05	1000-05	10000-01	541.3	
79	3.0000	.20000	31.000	.3260-01	.2650-01	.3680-01	.4991-03	.4059-03	.5638-03	. 2550	≥.704	545.5	
79	3.0000	. 22500	32.000	.2760-01	.2240 ·01	.3110-01	.4222-03	.3435-03	.4769-03	.2160	2.450	54.5	
79	3.0000	.25000	33.000	.2150-01	1750-01	.2430-01	.3299-03	.2685-03	.3725-03	. 1690	1.895	543.7	
67	3.0000	.27500	34.000	1780-01	1450-01	.2010-01	724-03	.2217-03	.3075-03	0051	1.678	542.7	
67	3.0000	.30000	35.000	.1590-01	1300-01	1800-01	.2438-03	. 1985-03	.2752-03	.1250	1.555	9,1.0	
67	3.0000	.32500	36.000	.2240-01	. 1830-01	.2530-01	.3437-03	.2798-03	.3879-03	0771.	2.076	n :	
97	3.0000	.35000	37.000	.3200-01	.2600-01	.3610-01	£0-0064.	.3989-03	.5531-03	.2520	2.926	1. 5. t	
5	3.0000	.37500	38.000	.2760-01	.2250-01	.3120-01	.4229-03	.3443-03	.4774-03	.2180	2.553	542.3	
67	3.0000	00004.	39.000	.1800-01	10-041.	.2030-01	.2761-03	. 2248-03	.3116-03	. 1420	1.678	54.6	
27	3.0000	.42500	40.000	19-0161.	. 1560-01	.2160-01	.2932-03	.2387-03	.3309-03	0151.	1.789		
6 7	3.0000	. 45000	۴۱.000	. 1520-01	10-0421.	1720-01	. 2332-03	1899-03	.2632-03	. 1200	1.374		
Đ	3.0000	.47500	۰۵۰.5۰	.1150-01	.9400-02	10-0081	.1768-03	E0-0441.	. 1996-03	10-0016.	1.016	7.76	
6	3.0000	.50000	43.000	.1100-01	20-0 006.	15-0-21	. 1686-03	. 1373-03	1963-03	10-00/8	0805.	, i	
67	3.0000	. 52500	44.000	.8200-02	.6700-02	9300-05	. 1252-03	. 1028-03	. 1424-03	10-0059.	. /640		
6 7	3.0000	.55000	45.000	.74C0-02	.6000-02	. 04C0-02	.1135-03	.9248-04	. 1281-03	10-0066	0500.	2.5	
£	0000	.60000	79.00c	5300-05	-4300-02	. 5000-02	-8085-04 	+0-+AC3.	.9160-04	10-00-1	0101	מונים אינים	
6	3.0000	.65000	47.000	.3900-0	. 3200-02	50-0344.	+0-1965.	+D-/CR+.	10-02/01	10-0006	י אַלַּי	0.040 0.040	
ر و	3.0000	.70300	29.000	50-005	20-00-001	50-0055.	40-009z	2852-04 2852-04	+U-0+6x	1803-01	1970	540.5	
בייק	3.0000	00007	19.000	20-0052	20-0061	2700-02	.3657-04	+0-6162.	.4126-04	10-0061.	.2020	540.8	
. ל	3.000	00000	53.000	20-0302	1000-03	.2000-03	.270!-05	.2199-05	3049-05	.1000-02	1900-01	541.9	
, δ	3.000	92569	24.000	.2000-03	.2000-03	.2000-03	.3310-05	.2695-05	.3736-05	.2000- 05	.2200-01	542.0	
6	3.0000	95000	55.000	.2000-03	.2000-03	.3000-03	.3712-05	. 3023-05	.4189-05	.2000-02	10-0061	SF1.5	
97	4.0000	.20000	71.000	.3730-01	.3030-01	.4210-01	.5710-03	.4640-03	.6454-03	.29:0	3.316	547.4	
67	٠٠.0000	.22500	72.000	.2800-01	.2270-01	.3160-01	.4282-03	.3482-03	838-03	.2190	2.565	545.4	
67	4.0000	.25000	73.009	.2360-01	.1920-01	. 2663-01	.3612-03	. 2938-03	.4080-03	.1850	2.168	51.4.50 1.1.10	
97	4.000G	.27500	74.000	.2230-01	. 1820-01	. 2520 - 01	.3418-03	.2781-03	.3860-03	. 1750	2.170	943.8	
97	4.0000	30000	56.000	.2610-01	.2120-01	.2950-01	.3997-03	. 3253-33	.4513-03	.2050	2.691		
62	4.0000	.32500	57.000	.2580-01	.2100-01	.2910-01	. 3952-03	. 32:6-03	.4462-03	. 2030	7.660 91.	25.7	
79	4.0000	.35600	58.000	10-0/81,	. 1520-01	.2119-01	.2865-03	. 2332-03	. 3234-03	0251	1881	7.0	
Ę,	٠, 0000	.37500	29 000	1430-01	1170-01	. 1620-01	.2194-03	1787-03	.2477-03	.1130	185.	040. I	
97	4.0000	00004.	60.000	1100-01	. 8900-02	. 1240-01	.1681-03	.1369-03	1898-03	10-00/A	0350	0.1.0	
67	4.0000	.42500	61.000	8100-05	.6600-02	-9100-02	. 1235-03	. 1006-03	. 1584-05	10-00-0	0000	P 7	
6	. 0000	.45000	62.000	.6703-02	5500-05	. 7600-02	. 1036-05	. 6406-04	10-0500	10-00-11	0752	ה כי זרי הי	
67	4.0000	.47500	63.000	5200-05	70-00 5 h .	20-008C.	*0-050a.	*0-5660.			<u> </u>	:	

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DATE	DATE 97 OCT 75	K	OH-74 (AE	OH-74 (AEDC V418-BBA)	HEATING	DATA ON OR	BITER FUSE	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	305			PAGE 156
	<u>;</u>	<u> </u>		OH-74 (AEDC	DC V418-88	V418-88A) B62C12F10M16W127E52VBR19	10M16W127E	22VBR19				
N.B.	I TRACE	איר איר	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAW)	1000	TOMTO	3
NOHBER				R=0.9	R=1.0	R-TAW	BTU/ R	BTU/ R FT2SEC	BTU/ R FT2SEC	BTU/ FT2SEC	DEG. R /SEC	0EG. R
97	0000	. 50000	000.49	.4100-05	.3300-02	.4600-02	.6255-04	.5'03-04	.7069-04	.3200-01	. 4010	540.6
67	Ī	•		.3500-02	. 2900-02	S0-0004.	.5406-04	40-4044	.6100-04	.2800-01	.3460	940.7
, 2 2	Ī	•		S0-0004.	.3300-02	-4600-02	.6194-04	.5046-04	.6989- 04	.3200-01	.3750	540.6
6/	_	•		.1900-02	.1500-02	.2100-02	.2895-04	.2359-04	.3266-04	1500-01	. 1680	540.3
Er.		•		. 1400-02	. 1200-02	•	₩0-7712.	.1774-04	.2457-04	10-0011.	. 1 320	540.7
, p	_	•		. 1800-02	. 1500-02		.2788-04	.2270-04	.3146-04	10-0041.	. 1600	541.7
£ 67	_	•		. 1300-02	.1100-02	•	.2029-04	.1653-04	.2289-04	.1000-01	0.11.	8.0.8
2	_		•	.2000-03	.2000-03	.2000-03	. 3324-05	2708-05	.3751-05	-2000-05	10-0012	541.6
£ £	_	•	•	.0000	0000	.1000-03	.7287-06	.5937-06	.8221-06	.0000	.5000- 05	0.1%
64	_		•	1509-02	1200-02	1700-C2	2336-04	200-02 -,1700-02 -,2336-04 -,1903-04 -,2636-04 -,1200-01	2636-04		1500	541.3
- 6				60 000.		0000					0000	

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				OH-74 (AE	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	3A) 862C12	F10M16W127I	E52VBR19				(RVB002)
ORB 1 TE	ORBITER FUSE, AGE							PARA	PARAMETRIC SATA	•		
					BETA	1.000	MACH	8.000	ELEVON .	.0000	RUDDER .	0000.
					921	***TEST CONDITIONS***	Sw					
RUN	MACH	ALPHA DEG.	9 <u>8</u>	10 0€G. R	₽ 066.	YAH OEG.	→ DEG. R	e A	o PSIA	V FT/SEC	RtO SLUGS	935-87 HG
80	7.880	39.77	81.20	1173.	2.471	1.000	87.40	.9000-02	.3990	3610.	7F13 .6807-35	7038-07
RUN NUMBER	RN/L X10 6 /FT	HREF BTU/ R FT2SEC	STN NO R= .0175									
မ	.4518 8164.	. 1524-01	.6034-01									
					:	**************************************	;					
2	TRACE	xV	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HCTAPI	1000	DTMDT	3
NC#BER				R=0.9	R=1.0	R-TAN	PTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
8			;				FT2SEC	FTZSEC	FT2SEC	FTZSEC	/SEC	
8 8	0000	00002	0000	10-0551	1170-01	. 1620-01	.2187-03	.1781-03	.2469-03	.1120	1.167	541.6
8 8	0000	00005	20000 ×	10-0-0:	10-060	10-0161	.2641-03	.1662-03	.2303-03	.1050	5	. T+1
8 8	0000	35000	3.0000	10-0201	50-00-0-1	10-0511.	. 1559-03	. 1269-03	. 1759-03	10-0008.	.8240	₽
8	1.0000	.37500	5.0000	.2050-01	.1670-01	.2310-01	.3117-03	.2538-03	. 3039-03	1390	1.439 684	240.8
8	1.0000	۰۴۰۵۵۵	6.0000	.2170-01	1770-01	.2450-01	.3310-03	.2696-03	.3736-03	1700	75.1	
8 8	1.0000	.42500	7.0000	10-0002	.1632-0:	.2260-01	.3052-03	.2485-03	.3446-03	0.151	1.628	541.6
8 8	1.0000	0.5754.	9.0000	.2790-01	.2270-01	.3150-01	.4255-03	.3464-03	.4803-03	.2190	2.238	541.5
20 6	0000.1	.47500	9.0000	10-048:	. 1500-01	. 2080-01	.2809-01	. 2287-03	.3171-03	0551.	1.471	541.6
2 6		Canno.	000.01	10-0-61	1280-01	.2190-01	. 2954-03	.2405-03	.3334-03	. 1520	1.540	541.5
8 8	0000	55,000	000 61	10-0105.	10-0-01	10-0/22	.3070-03	2499-03	. 3465-03	. 1580	1.599	ν.
8	0000	00000	14.000	10-0001	10-0401	10-06/1.	.2592-03	. 1866-03	. 2587-03	180	- 18¢	5 4 1.4
8	0000	65000	000	10-0-01	10-0020	10-0651.	1803-03	50-/101.	50-4012	.9500-01	.9710	7. 75
8	1.0000	. 73030	15.000	6500-02	50-0059.	10-0011	.1056-03	1665-03	50-56/1.	10-0008	0808	9.
80	1.0000	.75000	16.00	40-00CH	50-0055	מטייטניי.	10-7-503	*0-C/00.	50-6111.	10-0016.	0657	m :
90	1.0009	.80000	17.000	7000-03	.6903-03	80000-03	FO-80-01	86.5-05	10-10-1	30-0005	. 3380	, i
8	2.0000	. 28500	18.000	.1590-01	. 1290-01	1750-01	2420-03	1971-03	5731-03	1240	0-0555	2.1.2
80	2.0000	.33700	19.000	.2100-01	.1719-01	.2370-01	.3197-03	2603-03	360A-03	1650	3	
80	2.0000	39000	20.000	.2180-01	.1780-01	.2460-01	.3325-03	.2708-03	.3752-03	1710	2.0.5	
90	2.0000	.42600	21.000	.2630-01	.2140-01	.2970-01	.4003-03	.3260-03	.4518-03	.2060	2.450	96
98	0000											

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DATE 0	07 OCT 75		OH-74 (AED	0H-74 (AEDC V418-88A)		HEATING DATA ON ORBITER FUSELAGE PORT	BITER FUSE		S10E			PAGE 1	851
				OH-74 (AE	DC V418-B8	04-74 (AEDC V418-88A) 862C12F10H18W127E52V8R19	10H16H127E	52V8R19				(RVB002)	ŝ
Ş	TRALE	×/r	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	Н(10)	H(TAW)	1000	OTMOT	크	
NUMBER				R=0.9	R=1.0	R-TAH	BTU/ R	BTU/ R	9TU/ R	BTU/	DEG. R	DEG. R	
á	6	90023	27.000	10-0861	10-0001	0.0141	1010-03	1556-03	716360	9800-01) () ()	540	
8 8	2.0000	.56700	24.000	9600-02	. 7800-02	10-0801.	.1465-03	.1193-03	. 1653-03	.7500-01	.8210	540.8	
6	2. r.300	.62000	25.000	.7200-02	.5900-02	-8100-05	.1100-03	+0-0968.	. 1242-03	10-0075.	.6170	540.8	
80	2.J000	.67000	26.000	.5900-02	50-00L+	.6500-02	.8834-04	.7195-04	٠٥-6966.	10-0054.	JS64.	540.8	
90	2.0000	.70500	27.900	.3800-02	.3100-02	50-0054.	.5761-04	4693-04	.6501-04	3000-01	.3200	540.4	
80	2.000n	.75000	28.000	.2100-02	.1700-02	.2300-02	3145-04	.2562-04	.3549-04	10-0091	. 1780	540.0	
80	2.0000	.80000	29.030	. 8000-03	.6000-03	.9000-03	.1173-04	.9554-05	. 1324-04	.6000-02	.6700-01	340.4	
90	2.0000	.82400	30.000	0000.	.0000	.0000	.3199-06	.2605-06	.3610-08	0000	-2000-05	2.0.7	
80	3.0000	.20000	31.000	.3270-01	.2660-01	.3690-01	.4979-03	.4049-03	. 5625-03	.2540	2.695	in in	
80	3.0000	.22500	32.000	.2610-01	.2130-01	.2950-01	.3983-03	. 324) -03	50-6644.	0.000	5.55.5 C. C. C.	543.7	
8 3	3.0000	.25000	33.030	.2220-01	10-0081	:0-0052.	. 33/B-U3	£0-00/3.	50-5185.	06/1.	יילט יילט יילט	14.0 14.0	
86 6	3.0000	27500	34.000	10-00/1.	10-05-1	10-0105.	50-91/2	. CC 1 C - C - C - C - C - C - C - C - C	. 3000-03	1300	7,0,1	יי בייני ער בייני	
2 6	3.0000	32600	35.000	10-0//:	10-0440	10-0002	20-4603,	20-0242	50-4854	0616	 		
0 0	3.0000	35000	20.000	10-0496	10-0916	10-0616.	FU-2334.	1426-04	F0-704	20.0	777	3.03	
8 6	3.0000	37500	38.000	. 2140-01	1750-01	2420-01	.3265-03	.2660-03	.3585-03	. 1680	1.976	9±0.0	
8 8	3.0000	00004	39.000	1790-01	1460-01	.2020-01	.2724-03	.2219-03	3074-03	1400	1.659	5+0.1	
8	3.0000	.42500	40.000	.1580-01	.1370-01	1900-01	.2550-03	.2085-03	.2888-03	.:320	1.567	5.0.5	
80	3.0000	.45000	41.000	1350-01	.1100-01	.1530-01	.2054-03	,1682-03	. 2329-03	.1050	1.219	539.8	
80	3.0000	.47500	42.000	10-0101.	.8200-02	.1140-01	. 1533-03	.1249-03	.1730-03	10-0064.	. 8820	540.5	
90	3.0000	.50000	43.000	.9500-02	.7700-02	.1070-01	.1440-03	.1173-03	.1625-03	.7400-01	.8290	540.5	
08	3.0000	.52500	44.000	.7400-62	.6000-02	.84CO-02	.1128-03	40- 8816 .	.1272-03	.5800-01	0489.	539.7	
80	3.0000	.55000	45.000	.6900-02	.5600-02	50-0077.	.1045-03	.8517-04	.1179-03	.5+00-01	.6020	539.7	
80	3.0000	00009.	46.000	20-0064.	≥0-000h.	.5600-02	.7518-04	.6126-04	·8-85-0+	.3900-01	.4230	539.7	
96	3.3000	.65003	47.000	.3300-02	50-0075.	.3700-02	.5014-04	*0-980*.	.5657-04	.2600-01	.2750	539.6	
90	3.0000	. 70000	48.000	-2000-05	. 1600-02	.2200-02	. 30 3-04	. P. 55-04	.3399-04	.1600-01	. 1720	539.6	
96	3.0000	.75000	4 9.0 00	.1800-02	. 1400-02	.2000-02	.2711-04	,0-602Z	.3058-04	10-00-1	.1520	539.6	
08	3.0000	. 80000	50.000	.2100-02	.1700-02	.2300-02	.3171-04	.2583-04	.3578-04	10-0091	.1760	0.040	
80	3.0000	.87500	52.000	.1000-03	1000-03	.1000-03	. 1857-05	.1512-05	.2096-05	. 1000-02	.1200-01	ر ا ا	
08	3.0000	.9006.	53.000	.6000-03	.5000-03	.7000-03	.9338-05	.7603-05	1024-04	20-2006.	10-00/9.		
80	3.0000	. 92500	24.000	.5000-03	£0-000h.	.5000-03	50-1669.	.5592-05	. 789: ~05	50-0064.	10-00/4.	D. 1.1.	
08	. 0000	. 20000	000.17	. 3480-01	.ees0-01	10-0-65.	50-0156.	50-0154.	50-2009	90/4	0.001 0.001	הריים הריים	
0 6	4.0000	00022	74.000	יס-מצייכ	10-080-	10-0/16.	3705-03	50-C/ 5C.	FU-1814	006	2,225		
0 0	0000	COSTS.	000.17	10-05-50	10-0206	10-088c	50-58MF	20 - 05 - 5 50-05 - 5	4484-03	0661	2.465	9,645	
8 6	1,000	30000	56.000	10-049-	5150-01	2980-01	E0-6104	.3272-03	.4537-03	.2070	2.710	8. <u>-</u> 36	
08	. 0000	32500	57.000	.2140-01	1740-01	.2410-01	.3256-03	. 2652-03	.3675-03	.1680	2.199	541.1	
08	4.0000	.35000	59.000	.1640-01	.1330-01	. 1850-01	.2492-03	.2029-03	.28:2-03	.1280	1.684	540.8	
08	۴ , 0000	.37500	59.000	.1310-01	1070-01	14-08-1	.1993-03	.1624-03	.2250-03	.1030	949	h. 04g	
08	0000. ₽	00004	60.000	.9800-02	.8000-02	1100-011.	.1490-03	.1214-03	. 1682-03	10-00/4.	1.008	540.3	
98	· .0000	.42500	61.000	.7400-02	.6000-02	.8300-02	.1120-03	.9128-04	. 1264-03	10-0085	. 7590	340.0	
80	4.0000	.45000	62.000	50-0009.	50-0064.	.6800-02	.9136-04	.7444-04 .000:000	.1031-03	.4700-01	.6120	539.8	
80	4.0000	.47503	63.000	.4800-02	.3900-02	.5400-02	.7328-04	.5971-04	.8268-04	. 3800-01	.4830	0.55	

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DATE O	DATE 07 OCT 75		OH-74 (AED)	OH-74 (AEDC V418-88A)	HEATING	HEATING DATA ON ORBITER FUSELAGE	BITER FUSE	POR	SIDE			PAGE 159
				OH-74 (AE)	DC V418-88	04-74 (AEDC V418-88A) 862C12F10M16M127E52V8R19	10M16W127E	52V8R19				(RVB002)
3	TRACE	x/L	1/C NO	H/HREF	H/HREF	H/HREF	H(9T0)					3
NUMBER				R=0.9	R-1.0	R-TAH	BTU/ R					DEG. R
							FT2SEC					
8	¥.0000	.50000	64.300	.3700-02			.5604-04	.4567-04	.6323-04	.2900-01	.3590	539.5
80	4.0000	.52500	65.000	.3300-02								539.6
8	4.1300	. 55000	66.000	.3300-02								539.6
80	4.3000	.60000	67.000	-1900-05								539.5
90	4.0000	.65000	68.000	-1000-05								540.0
80	4.0000	.70000	69.000	-1100-05	.9000-03	. 1200-02						540.8
80	4.0000	.75000	70.000	.9000-03								5.0
8	4.0000	.80000	75.000	.2000-03								9.1.6
60	₹.0000	.87500	77.000	0000								541.0
8	4.0000	.92500	79.003	1500-02	1200-02	1700-02	2336-041903-04	1903-04	.2636-04	-, 1200-01	1500	541.3
80	4.0000	95036	80.000	.8000-03	.7000-03	.7000-03 .9000-03 .1216-04 .9904-05	.1216-04	- 4066	.1372-04	.0000	0000	583.2

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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATE 07	OCT 75		OH-74 (AEDC V418-88A)	; W18-88A)	HEATING !	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	JITER FUSEL	AGE PORT S	306			PAGE 160	
				OH-74 (AE	M-74 (AEDC V418-88A) 862C12F10M16W127E52VBR19	A) BG2C12F1	10M16W127E!	\$2VBR19				(RVB002)	
ORBITER	CABITER FUSE, AGE							PARAME	PARAMETRIC DATA				
					BETA	1.000	MACH	• 8.000	ELEVON =	.0000	RUDDER .	0000.	
					TES	***TEST CONDITIONS***	č						
S S	MACH	ALPHA	9 <u>8</u>	70 0f.6. R	PH1	YAH DEG.	7 D£6. R	d Si	0 PS1A	V FT/SEC	PHO SLUGS	MO LB-SEC	
Ř	7.960	29.83	8.662	1269.	-90.06	1.000	92.80	.3200-01	1.407	3758.	/FT3 .2868-04	/FT2 .7473-07	
2	1/100	1981	ON NTO										
NUMBER	X10 6	9TU/ R	ı.										
Ā	/FT 1.442	FT2SEC .2901-01	.0175 .3372-01										
						***************************************	<u>:</u>						
						יאואט ופיו							
3	TRACE	x/L	1/C NO	H/HREF	H/HREF	H/HREF	H(970.	- c 1 0	HCTAN	1000	DTMOT		
NUMBER				R=0.9	R-1.0	R=TAW	BTU/	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R	
				,	1		FT25	FTZSEC	FIRSEC	F 1636.	יאר ל איני	2	
ā i	1.0000	.27500	0000	1580-01	1300-01	11770-01	.45E \$	3781-03	-15161-03	05/5.	6.83 2.398	540.9	(i)
, 2	1.0000	32500	3.0000	1190-011	- 0000.	132 01	3455 -03	.2851-03	.3859-03	.2080	2.137		\mathbf{R}
ሕ	1.0000	.35000	٠, 0000	1210-01	10000-01	1350-01	.3497-03	. 2888-03	. 3909-03	.2100	2. <u>1</u>		(1
គឺ	1.9000	.37500	5.0000	1150-01	9500-02	1280-01	.3331-03	. 2751-03	3724-03	.2000	2.109	1.02	[N]
* *	1.0000	00004	7,0000	10-0102	10-0+61	. 224C 31	.5821-03	.4805-03	.6510-03	3490	3.620		t L
i ሕ	1.0000	45000	6.0000	.2390-01	10-0861.	.2680-01	.6944-03	.5731-03	.7765-03	0.14.	4.26!		, ,
Ā	1.000L	.47500	9.0000	.2190-01	10-0081.	10-0+n2.	.6341-03	.5233-03	.7091-03	.3800	3.869		
A	1.0000	.50002	10.000	.3140-01	.2590-01	.3520-01	. 9122-03	. 7527-03	20-0201.	. 7460 0.550	5.23¢	543.0	~-
ዱ ጳ	1.0000	00000	200.1.	3530-01	10-016	3950-01	. 1023-02	8444-03	.1145-02	.6120	6.147	543.7	
5 8	1.0000	.60000	13.000	.2570-01	.2120-01	.2870-01	.7445-03	.6144-03	.8327-03	0944.	4.520	542.9	
; #	1.0000	.65000	14.000	1970-01	. 1630-01	.2203-01	.5714-03	.~,17-03	.6389-03	3430	3.476	941.9	
Ā	1.0000	.70000	15.000	10-06-11	. 1230-01	1670-01	.4325-03	.3571-03	.4836-03	.2600	2.541	اران ا	
ሕ	1.0000	.75000	16.000	.1000-01	. 8300-02	.1120-0;	. 2906-03	.2400-03	. 3249-03	1750	1.77!	541.3	
æ	1.0000	.80000	17.000	5103-02	50-0024.	5700-05	. 1469-03	. 1213-03	. 1642-03	.8800-01	.8570	540.7	
ř	€.0000	. 28500	18.000	.1659-01	. 1360-01	10-0-81	.4780-03	.3946-03	53:15-03	. 2870	3.371	۶	
Ř	2.0000	.33700	19.000	.1430-01	1180-01	. 1500-01	.4162-03	.3436-03	.4653-03	.2500	400. r	0.040.00 0.040.00	•
Ā	2.0000	.39000	20.000	.2840-0:	.2340-01	.3180-01	.8241-03	.6801-03	.9217-03	0464		מיניים מיניים	
Ř	2.0000	.42600	21.000	.3570-01	10-0462	.3990-01	50-5501.	. 65.56-US	20-BC11.	0010	# W C 1	n w r w r w	
ž	2.000 0	.47800	22.000	.4880-01	.4030-01	10-0946.	20-9141.	- H 158-04	. 1363-06	9400	n 5 7	0.00	

DATE 07 OCT	OCT 75		OH-74 (AEDO	0H-74 (AEDC V418-88A)	HEATING C	ATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT		3015			PAGE 161
				OH-74 (AE	04-74 (AEDC V418-88A) BG2C12F10M16W127E52V8R19	v B62C12F1	OMIGHI27E	52V8R19				(RVB002)
Ş	TRATE	x/د	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(T0)	H(TAM)	1000	DTMDT	7
NUMBER		ı		R=0.9	R=1.0	R=TAM	BTU/ R	8TU/R	BTU/ R	BTU/	DEG. R	DEG. R
í				0.000	10	0000	FT2SEC	FTZSEC	F125EC	F125EC	/SEC	0 0 7
ħ i	2.0000	00056.	63.000	10-0951	10-00-01	10-000-1	*0-*500.	10-1664	50-0177	02.02	4 . CO. W	541.7
* #	. nage	00/00:	00. 46 00. 46	10-0011	10-00-00	10-0/51	10-11111 10-11111	2844-03	3851-03	0702	2.255	540.8
,	2.3000	.67000	26.000	8100-02	.6700-02	-9100-02	.2353-03	. 1943-03	.2630-03	0141.	1.540	540.7
ň	2.0000	.70500	27.000	.7200-02	.6000-02	.8100-02	.2091-03	.1727-03	.2337-03	.1260	1.358	539.9
គឺ	2.0000	.75000	29.000	5800-05	-4800-05	£0-00 1 9.	.1674-03	.1383-03	.1871-03	.1010	1.111	539.1
Ā	2.0000	.80000	29.000	.4000-03	.3000-03	.4000-03	10-6401	.8665-05	.1172-04	.6000-02	.7000-01	539.0
Ā	3.0000	.20000	31.000	.3250-01	.2680-01	.3640-01	.9430-03	.1771-03	.1056-02	.5600	5.933	547.9
ħ	3.0000	.22500	32.000	.2800-01	.2310-01	.3130-01	.8112-03	.6689-03	.9079-03	.4830	5.407	546.1
Å	3.0000	.25000	33.000	.2140-01	1770-01	.2400-01	.6219-03	.5131-03	.6956-03	.3720	4.170	543.3
Ā	3.0000	.27500	34.000	. 1720-01	1420-01	. 1920-01	.4982-03	.4112-03	.5570-03	2990	3.587	541.7
ř	3.0000	30000	35.000	.1500-01	10-0421.	. 1680-01	.4355-03	. 3596-03	.4869-03	. 2620	3.247	540.7
Ē,	3.0000	. 32500	36.000	10-0851.	1300-01	1760-01	.4571-03	.3775-03	.5110-03	.2750	3.231	1, C
ř.	3.0000	.35000	37.000	.2520-01	2080-01	. 2820-01	. 7560-03	50-5-09.	50-C818.	7 0	701.0	0,170
ř.	3.0000	.37500	38.000	.3820-01	.3150-01	.4280-01	50-6011.	50-1018.	יופלו-נפי	040	7.183	040.00 Full 0
ň i	3.0000	00004	39.000	3750-01	3080-01	10-0714	20-2801	50-27-20	1121-05	טפים. הפרסה	7.633	544 K
ħ i	3.0000	00024	000	10-0646	10-000-01	2620-01	20-1101.	50-542-7	1052-05	. 00.5 0.40 0.40 0.40 0.40	, C	0.01
\$ i	3.0000	00.004	000	10-0-2	10-0603.	2600-01	50-525	5561-03	75-52-03	0507	10.4	941.5
* 6	3.0000	56.000	46.000	1840-01	1520-01	2050-01	50-67E	4415-03	5980-03	.3210	3,583	541.5
ħ #	3.000	0000	000.77	1220-01	1010-01	1370-01	.3547-03	. 2929-03	.3965-03	.2130	2.508	540.2
, #	3.0000	.55000	45.000	1030-01	.8500-02	1150-01	. 2997-03	.2476-03	.3350-03	. 1810	2.015	539.9
Ř	3.0000	.60000	46.000	.7600-02	.6300-02	.8500-02	.2215-03	, 1830-03	.2476-03	. 1330	1.454	539.5
Ř	3.0000	.65000	47.000	.5500-02	.4600-02	.6200-02	.1607-03	.1327-03	.1795-03	10-0046	1.030	539.0
_. Å	3.0000	.70000	48.000	.3700-02	.3000-02	50-0014.	.1070-03	.8839-04	.1196-03	.5500-01	.7140	539.0
Ā	3.0000	.75000	49.000	.1600-02	.1400-02	. 1800-02	40-5464	. 3921-04	.5302-04	.2900-01	.3120	538.5
Ř	3.0000	.80000	50.000	.7000-03	.6000-03	.8000-03	. 2056-04	+0-6691·	.2298-04	1500-01	.1330	538.7
Ā	3.0000	.85000	51.000	. 1000-03	. 1000-03	.2000-03	.4259-05	.3517-05	.4760-05	3000-05	.3200-01	5.55.0
ř	3.0000	.87500	52.000	700-05	-1100-05	20-0041.	.3698-04	.3054-04	40-48:4.	.2200-01	.2760	0.00 m
Ā	3.0000	. 9000	53.000	. 1200-02	-1000-05	. 1300-02	3467-04	. 2862-04	-94 PS .	10-0012.	0062.	7.1.0
ř	3.0000	.92500	5+·000	.8000-03	.6000-03	. 9000-03	. 2221-04 1037 04	1833-04	40-E83-C4	10-0051	05/1.	341.4 Aug 11
Å i	3,0002	00006	35.000	50-0000	60-000C.	-00007	*D-0/01.	10-0410	GC-9461		7.443	9,155
Ā i	4.0000	00000	71.000	10-0306	10-0616	10-0025	9516-03	7018-03	9-34-04	5060	20.00	547.7
\$ \$	000.	0005	73.000	2310-01	1910-01	.2590-01	.6712-03	.5536-03	.7511-03	. 4010	4.695	545.2
, 4	2	27500	74.000	.2150-01	1770-01	.2400-01	.6226-33	.5136-03	.6964-03	.3720	119.4	543.8
; #	0000	30000	56.000	10-0622.	10-0681	.2560-01	.6652-03	.5490-03	.7440-03	.3990	5.228	542.8
Ä	4.0000	.32500	57.000	. 3840-01	.3170-01	10-0624.	.1113-02	.9182-03	.12.16-02	.6650	8.704	545.2
Ř	4.0000	.35000	58.000	.4210-01	.3470-01	10-0164.	. 1220-02	. 1006-02	.1366-02	.7270	9.517	5+6.2
Ā	4.0000	.37500	59.000	.2640-01	.2160-01	. 2960-01	.7670-03	.5330-03	.8579-03	.4600	6.029	542.7
Ř	٠, 0000	00004	60.000	10-0771.	10-09-1	10-0861.	.5125-03	.4231-03	.5730-03	.3080	至.	5.1.5
Ř	4.0000	.42500	61.000	10-0/21.	10-0501.	.1420-01	.3677-03	.3037-03	.4111-03	.2210	2.905	540.5
ř	4.0000	. 45000	62.000	.9100-0 2	.7500-02	. 1010-01	.2626-03	.2169-03	.2935-03	. 1580	2.053	539.8

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DATE 0'	DATE 07 OCT 75		OH-74 (AEDC	0H-74 (AEDC V418-88A)		HEATING DATA ON ORBITER FUSELAGE PORT	ITER FUSEL		3015			PAGE	3
				OH-74 (AEC	94-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	1) BESCIEF	OM164127E	52VBR19				(RVB002)	(20)
8	TRACE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(T0)	H(TAW)	1000	DTMDT	7	
NEFER		l		R=0.9	R*1.0	R-TAW	BTU/ R	9TU/ R	BTU/ R	BTU/	DEG. R	DEG. F	~
}							FT2SEC	FT2SEC	FT2SEC	FT2SEC	/SEC		
Ř	0000	.47500	63.000	.7000-02	.5800-02	.7900-02	.2038-03	.1583-03	.2278-03	. 1230	1.567	539.6	
\$	0000	50000	64.000	.5900-02	-4900-05	.6600-02	.1714-03	.1416-03	. 1915-03	.1030	1.283	538.9	
, 2	. r.000	52500	65.000	-000h.	.4100-02	.5500-02	.1427-03	1179-03	. 1595-03	.8600-01	1.069	538.7	
i A	7.3000	.55000	99.000	.4200-02	.3500-02	50-0074.	. 1228-03	.1014-03	.1372-03	.7400-01	.8710	538.8	
Ä	0000	.60000	67.000	.3100-02	.2600-02	.3500-02	40-9968 .	20-60大	.1002-03	.5400-01	.6110	538.0	
#	0000	65000	69.000	-2300-05	. 1900-02	.2600-02	.6726-04	.5558-04	.7515-04	.4100-01	.4780	538.0	
燕	4.0000	. 70000	69.000	.1400-02	20-0011	.1500-02	.3938-04	. 3254-04	40-1044.	.2400-01	. 2660	538.5	
燕	4.0000	.75000	70.000	.1100-02	.9000-03	. 1200-02	.3244-04	.2681-04	.3625-04	.2000-01	.2190	537.9	
ž	4.0000	80000	75.000	.6000-03	.5000-03	.7000-03	.1810-04	+N-96+1.	.2023-04	.1100-01	. 1320	538.4	
Ř	4,0000	.87500	77.000	.7000-03	.5000-03	.7000-03	1894-04	.1565-04	.2116-04	.1100-01	. 1500	538.5	
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Ä	4.0000	.92500	79.000	S0-084.	-00004.	.5400-02	.1402-03	.1158-03	.1567-03	.8400-01	1.047	539.8	
Ř	4.0000	.95000	80.000	.9000-03	.7000-03	.1000-02	.2599-04	-2147-04	·0-+062.	.0000	0000	583.3	

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Chief Chie	DATE 07 OL !	7 04 1 75		OH-74 (AEDC	OH-74 (AEDC V418-88A)		DATA ON OR	SITER FUSE	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	3015			PAGE 163
### PO 10 PM					OH-74 (AE	DC V418-864	N 862C12F	IOMI 64127E	52V8R19				(RVB002)
NACH ALPM PO TO PHI YM T P 0.000 ELEVON =0000 NADORR	ORBI TEI	R FUSELAGE							PARAM	ETRIC DATA			
NACH ALPHA PO 10 PH NALH TO SC.00 R.C.0 R.						BETA	1.000			ELEVON		RUDDER .	
Name ALPHA PO 10 PHI VAM T P PSIA FT/SEC SLU05 14.95 PSIA PSIA PSIA FT/SEC SLU05 14.45 PSIA PSIA PT/SEC SLU05 14.45 PSIA PSIA PT/SEC SLU05 14.45 PSIA PSIA PT/SEC SLU05 14.45 PSIA PSIA PSIA PT/SEC SLU05 14.45 PSIA PSIA PSIA PSIA PSIA PSIA PT/SEC SLU05 14.45 PSIA						•••165	T CONDITION	•••\$N					
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Name Name	ĸ	7.960	¥.83	2.96.2	1269.	168.8	1.000	92.80	. 3200-01	1.400	3758.	-2825-04	.7473-07
1.434	RUN		HREF BTU/ R	STN NO									
THACE X/L I/C NO H/HPEF H/HPEF H19T01 H1T01 H1TAH1 GDDT DTHADT THA PEP H17BH H1TAH1 GDDT THADT DECO. R DECO. R DECO. R DECO. R DECO. R DECO. R DECO. R DECO. R DECO. R DECO. R DECO. R DECO. R DECO. R DECO. R DECO. R PART BILU R	K,	14. 16.4.:	F125EC .2893-01	.3381-01									
TRACE X/L T/C NO H/HREF H/HREF H(HGT)						•	TEST DATA.	:					
1,0000 27500 1,0000 1,5000 1,	Ş	TRACE	X/L	1/C NO	H/HBREF	H/HREF	H/HREF	н(910)	H(10)	HCTAN	1000	DTMDT	
1,0000	NUMBER				R=0.9	R=1.0	R-TAM	BTU/ R	BTU/ R	BTU/ R	BTU/ FT2SFC	0EG. R	
1,0000 30000 2,0000 1,130-01 1,190-01 3,952-03 3,180-03 2,160 2,160 2,160 3,180-03 1,190-01 1,190-01 1,190-03 1,395-03 2,120 2,121 3,180-03 2,180-03 3,180-03 2,180-03 3,180-03 2,180-03 3,180-03	K.	0000	.27500	1.0000	1940-01	. 1270-01	1730-01	.4465-03	.3687-03	.4993-03	.2680	2.783	7. 176
1,0000 32500 4,0000 1180-01 1980-01 1780-01 378-6-03 3289-03 2260 2.121 1,0000 32500 4,0000 1700-01 1190-01 1790-01 379-03 3121-03 3425-03 2827 2827 2.121 1,0000 4,0000 6.0000 2.100-01 11900-01 6680-03 5515-03 7468-03 7020 4.129 1,0000 4,0000 6.0000 2.100-01 11910-01 6680-03 5515-03 7468-03 7020 4.129 1,0000 4,0000 6.0000 2.110-01 1700-01 12600-01 5610-03 5541-03 5520-3 3520 3.650 1,0000 7,0000 2.100-01 12600-01 2260-01 6106-03 5541-03 6552-03 3570 1,0000 7,0000 2.200-01 12600-01 12600-01 6106-03 5730-03 1050-02 5630 1,0000 55000 11.000 2.200-01 12600-01 12600-01 6106-03 5730-03 1050-02 5630 1,0000 55000 11.000 2.200-01 12600-01 12600-01 6106-03 5730-03 1050-02 5630 1,0000 55000 11.000 2.200-01 12600-01 12600-01 6106-03 1050-03 1050-03 1050-01 12600-01 12600-01 12600-03 1050-03 1050-03 1050-01 12600-01 12600-01 12600-03 1050-03 1050-03 1050-03 1050-01 12600-01 12600-01 12600-01 12600-03 1250-03 1050-03 1050-01 12600-01 12600-01 12600-01 12600-03 1050-03 1050-03 1050-01 12600-01 12600-01 12600-01 12600-03	E,	1.0000	.30000	P.0000	. 1330-01	.1100-01	10-0641.	. 3852-03	.3180-03	.4306-03	.2320	2.460	
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1,0000 4,5000 8,0000 3,2510-01 1,740-01 6106-03 5541-03 6826-03 3570 3,730-11,0000 1,4500 9,0000 3,250-01 2,550-01 2,550-01 6106-03 1,5510-03 1,5510-02 1,730-11,0000 1,47500 9,0000 3,250-01 1,25000 1,2500-01 1,2500-0	33	1.0000	.42500	7.0000	.2030-01	.1670-01	.2260-01	.5863-03	.4837-03	.6552-03	.3520	3.650	541.6
1,0000	K	1.0000	000034.	8.0000	2050-01	1740-01	.2350-01	.6106-03	.5041-03	. 6826-03	. 5570	5. 732 5. 732	542.6
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1,0000 55000 12,000 2940-01 .2930-01 .8514-03 .7028-03 .9520-03 .9510 5.137 1,0000 56000 13,000 2040-01 .1680-01 .2290-01 .5933-03 .4875-03 .6533-03 .3550 3.596 1,0000 .2000-01 .1280-01 .1280-01 .1280-01 .1289-03 .6633-03 .3570 3.516 1,0000 .70000 15,000 .7000-02 .7500-02 .7980-02 .2014-03 .1653-03 .2251-03 .1210 1.232 1,0000 .75000 17,000 .1680-01 .1760-01 .1870-01 .4850-03 .4033-03 .2251-03 .1210 1.232 1,0000 .29500 19,000 .1580-01 .1380-01 .1970-01 .4850-03 .9003-03 .5131-03 .2251-03 .1210 2,0000 .33700 .1900 .1310-01 .1310-01 .1770-01 .4850-03 .7993-03 .5131-02 .5700 5.780 2,0000 .29000 .221000 .221000 .221000 .221001 .2730-01 .2750-01 .17770-01 .4580-03 .7991-03 .4280 5.020 2,0000 .47800 .221000 .221000 .221001 .2220-01 .2850-03 .7795-03 .4190 4.669	R	1.0000	.52500	11.000	.2860-01	.2360-01	.3200-01	.8273-03	.6830-03	. 9251-03	0.4970	5.037	541.6
1,0000	33	1.0000	.55000	12.000	10-0-62	.2430-01	.3290-01	.8514-03	.7028-03	.9520-03	.5110	5.137	9.1.6
1.0000	15 H	1.0000	.60000	13.000	2040-01	10-0691	10-0822	5933-03	50-5584	.6633-03	.3570	3.516	541.1
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1,0000 17,000 17,000 17,000 1,000-02 1,300-02 1,800-02 4,657-04 3848-04 5-204-04 2,800-01 17,000 1,000-02 1,300-01 1,850-03 4,003-03 5,200 1,000 1,900-01 1,380-01 1,900-01 1,	1 2	1.0000	.75000	16.000	.7000-02	.5700-02	.7800-02	.2014-03	.1663-03	. 2251-03	. 1210	1.232	539.5
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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

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DATE 07 OCT	5 T 75		0H-7% (AEDC	0H-74 (AEDC V41B-88A)		ATA ON ORB	I TER FUSEL	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	30.			PAGE 164
				OH-7% (AEDC V418-88A) BG2C12F10M16W127E52V8R19	C V41B-88A) B62C12F1	0M16W127E5	2V8R19				(RV8002)
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R	3.0000	.20090	31.000	3300-01	.2720-01	3690-01	50-040-07	6596-03	.8952-03	0774.	5.335	545.8
ĸ	3.0000	. 22500	32.000	10-0975.	.230-01	10-0-0-20	6050-03	4991-03	.6768-03	. 3620	4.051	544.0
ĸ	3.0000	00000	33.500	10-0602.	10-0661	10-064	4882-03	+029-03	.5460-03	.2930	3.506	545.9
ĸ	3.0000	.27500	34.030	0-0801	10-0001	16-0-01	4199-03	.3456-03	.4695-03	.2520	3.123	e. 1.
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ig.	3.0000	32500	36.000	ימ-מניזצ	10-0186	3800-01	.9840-03	.8119-03	.1101-02	.5890	6.837	นะพ.ช
<u>R</u>	3.0000	. 35000	37.000	10-0155	2900-01	.3930-01	.1017-02	.8389-03	.1138-02	.6080	7.135	543.8
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, K	3 0000	.55000	45.000	-8200-05	.7600-02	.1030-01	.2674-03	. CEUS-03	50-25US	901	1.197	538.3
S.	3.0000	.60000	46.000	.6200-02	.5200-02	20-0007	50-221	£0-9001	1482-03	.8000-01	.8520	538.1
33	3.0000	.65000	47.000	50-0094.	3800-05	20-00-00	40-40-K	2607-04	7579-04	.4100-01	0454.	537.6
S.	3.0000	. 70000	48.000	20-0052	50-00E:	10001	-0-0252	2083-04	-2816-04	.1500-01	. 1660	537.6
ĸ	3.0000	.75000	49.000	40-0004	E0-0004	5000-03	1269-04	.1048-04	.1417-04	.8000-02	.8200-01	537.9
ጀ	3.0000	. 80000	000.00	50-000t.	7000-03	.9000-03	-2308-04	1907-04	.2579-0 4	1400-01	.1730	538.8
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2 H	3.000	50556	34.000	-1100-05	.9000-03	. 1200-02	3046-04	.2516-04	3405-04	10-0000	0880	539.2
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3 2	4.0900	.20000	71.000	.36-0-01	3040-01	10-0414	.1059-02	.8801-03	30-7-100	000	5.757	546.9
: #3	.0000	.22500	72.000	.2860-01	. 2350-01	. 3200-01	. Beec-03	.001010.	. 35.47. 03.	3960	4.647	544.8
R	۴.0000	.25000	73.009	. 2290-01	10-0681.	10-0/55	50-8500.	50-6198	. R020-03	,4280	5.298	544.7
ĸ	4.0000	.27500	74.000	10-08-2.	10-0402.	10-0000	10-891/.	6160-03	.8354-03	0944.	5.850	544.3
ĸ	4.0000	30000	56.000	10-0952	10-0000	10-0:05	1011-02	.8333-03	.1131-02	.6030	7.892	545.7
22	0000	.32500	57.000	10-08-5	1980-01	2690-01	69-69	.5734-03	. 7772-03	.4160	5.456	543.2
SS.	٠, 0000	. 35000	58.000	10-00-51	10-0551	.2150-01	.5561-03	.4591-03	.6218-03	.3340	£.382	541.5
32	.0000	37500	59.000	10-03-1	10-0121	1630-01	.4227-03	.3490-03	.4725-03	. 25¥c	3.336	340.B
ĸ	4.0030	00004	61.000	9800-02	.8100-02	1100-01	. 2839-03	.2345-03	.3173-03	.1710	P. 246	539.6
ĸ	. 0000	one C	200	***								

を受けるというできない。 「「「「「「「「「「「」」」」」というできない。 「「「」」」というできない。 「「」」」というできない。 「「」」」というできない。 「「」」」というできない。 「「」」という 「「」」」というできない。 「「」」」というできない。 「「」」」というできない。 「「」」」というできない。 「「」」」というできない。 「「」」」というできない。 「「」」」というできない。 「「」」」というできない。 「「」」」というできない。 「「」」」というできない。 「「」」」

DATE 0	DATE 07 OCT 75		OH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSCLAGE PORT SIDE	V418-B8A)	HEAT ING (DATA ON OR	BITER FUSEI	AGE PORT S	3106			PAGE 165	
				0H-74 (AE)	DC V418-88/	04-74 (AEOC V418-88A) BG2C12F10M15W127E52V8R19	10M16W127E	52VBR19				(RVB002)	_
\$	1R4 'E	x/x	1/C NO	H/HREF	H/HREF	H/HREF	H(9T0)	H(10)	HCTAH	1000	DTMDT	2	
NUMBER				8*0.9	R=1.0	R-TAW	BTU/ R	97U/R	BTU/ R	BTU/	DEG. R	DEG. R	
							FT2SEC	FT2SEC	FT2SEC	FTZSEC)35 <i>′</i>		
ĸ	4.0000	. 45000	62 .000	-00+L	.6100-02	. 8 300-02	.2149-03	.1776-03	.2402-03	.1300	1.683	539.1	
ξ,	4.0000	.47500	63.000	.5800-02	.4B00-02	-00 - 05	. 1665-03	.1376-03	. 1861-03	.1000+00	1.283	538.7	
ĸ	4, 0.300	.50000	64 . 000	- 48 00-05	₹0-000×°	50-00-6	1400-03	.1157-03	. 1564-03	.8500-01	6,0.1	538.1	
ĸ	4.3000	. 52500	65.000	50-000 * .	.3300-02	20-0024.	.1161-03	· 9592-04	. 1297-03	.7000-01	.8700	538.5	
ĸ	₹.0000	.55000	66.000	.3400-02	.2800-02	. 3800-02	30-3965	.8234-04	.1113-03	.6000-01	.7080	538.1	
ĸ	۴.0000	.60000	67.000	.2200-02	. 1800-02	.2500-02	.6444-04	.5327-04	.7200-04	.3900-01	0011	537.4	
ĸ	4.0000	.65000	68.000	.6000-03	.5000-03	.6000-03	.1637-04	.1353-04	.1828-04	100001	.1160	537.5	
S.	۴.0000	.70000	69.000	.8000-03	.7000-03	.9000-03	.2351-04	1943-04	.2627-04	10-00+1.	. 1590	537.8	
ĸ	00 00∵	.75000	70.000	.9000-03	.7000-03	. 1 000-02	25125	-90-92 .	.2807-04	1500-01	.1700	537.6	
ĸ	. 0000	. 8000r	75.000	.5000-03	.4000-03	.5000-03	.1326-04	.1095-04	1481-04	-00009.	10-0076.	538.8	
צ	₩.0000	.85000	76.000	.6000-03	.5000-03	.7000-03	. 184! -04	.1522-04	.2057-04	10-0011.	. 1320	537.6	
ĸ	€.0000	.87500	77.000	.5000-03	.4000-03	.6000-03	.1518-04	1254-04	.1596-04	.9000-02	. 1200	538.4	
ĸ	€. 0000	00006	78.000	.6000-03	.5000-03	.7000-03	.17710v	.1463-04	.1979-04	10-0011.	. 1390	538.8	
ĸ	€.0000	.92500	79.000	.2100-02	. 1800-02	.2400-02	.6153-04	.5084-04	.6876-04	.3700-01	.4610	538.8	
ĸ	4.0000	.95000	80.000	.2000-0 2	. 1600-02	. 2200-02	.5730-04	.4733-04	· 6+0+-0+	.3500-01	. 4060	539.6	

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DATE O'	DATE 07 OCT 75		04-34 (AED	OH-74 (AEDC V418-BRA)	HEATING	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	BITER FUSE	LAGE PORT	3015			PAGE 166
				34) 47-HO	DC V418-88	04-74 (AEDC V418-88A) BGECIEFIOMIGHIZTESZVBR19	OM I GWI 27E	52VBR19				(RVB002)
078116	ORBITER FUSELAGE							PARAM	PARAMETRIC DATA			
					BETA	1.000	MACH	8.000	ELEVON .	0000.	RUDDER .	.0000
					•••165	***TEST CONDITIONS***	ě					
HUN.	HACH	ALPHA PER	2 2	01 01 01 01 01 01	¥ 5	YAH	# 0.40 B	م <u>آ</u>	O A S	V F1/SEC	SLUGS	HU LB-SEC
¥	650	9	100	946	,	000		10-00-2	- -	3758.	/F13	/FT2 .7473-07
1					•					•		
NUMBER	X10 6	BTU/ F	S &									
ļ	/FT	FTZSEC	57.10.									
8	<u> </u>	10-6969-	10-7066.									
					•	**** DATA***	•					
\$	TRACE	X	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	F: (TAN)	todo	DTMOT	
MUMBER				R=0.9	R=1.0	R-TAH	81U/ R	BTU/ R	8TU: A	BTU/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FT2SEC	FT2SEC	/ SEC	
12	1.0000	.27500	1.0000	1600-01	. 1320-01	10-0641.	.4644-03	. 3835-03	.5192-03	.2790	2.900	5±0.5
8	1.0000	30000	2.0000	1320-01	1120-03	1510-01	.3924-03	3241-03	.4386-03	.2360	2.511	540.2
% 1	0000	32500	3.0000	. 1200-01	50-0066	1340-01	3489-03	2882-03	3900-03	2015.	Z. 153	739.7
8 8	0000	2000	4,0000	10-09/1	1650-01	2230-01	5793-03	4784-03	.6477-03	3480	3.666	540.9
1 12	1.0000	£0000	6.0000	.2050-01	10-0691	.2290-01	.5959-03	.4321-03	.6662-03	.3580	3.687	540.6
36	1.0000	.42500	7.0000	10-0421.	10-0491	10-0561	.5067-03	.4184-03	.5664-03	.3050	3.164	5,0,0
8	0000	. 45000	6.0000	.3070-01	.2540-01	.3430-01	.8920-03	.7364-03	.9973-03	.5360	5.183 5.05 5.05 5.05 5.05 5.05 5.05 5.05 5.0	5,115
æ ½	0000.	0000	90000.6	10-02-6	10-0991 ·	10-000	2184-03	50-0165	8031-03	0254	. 30°	540.6
8 %	0000	52500	11.990	3040-01	.2510-01	10-00-01	.8829-03	.7289-03	.9872-03	.5300	5.378	541.4
36	1.0000	.55000	12.000	2460-91	. 2030-31	.2750-01	.7153-03	.5907-03	. 7997-03	.4300	4.326	9.0%
38	1.0000	. 600C 1	13.000	.2120-01	1750-01	.2370-01	.6145-03	.5073-03	.6871-03	.3690	3.743	541.4
92	1.0000	.65000	14.030	11350-01	10-0111.	10-0151.	. 3921-03	. 3238-03	.4382-03	.2360	2.396	540.0
36	1.0000	.70000	000.61	-4300-05	.3500-02	-4800-05	.1257-93	. 1039-03	.1405-03	.7600-01	7430	539.0
8	1.0000	. 75000	16.000	. 7000-03	.6000-03	.8000-03	.2129-04	1759-04	.2379-04	.1300-01	.1300	538.6
36	1.0000	.82000	17.000	. 1805-02	.1500-02	-2000-05	.5229-04	.4321-04	5843-04	.3200-01	.3070	538.4
36	€.0000	. 28500	18.000	10-0951.	10-0621.	1750-01	.4546-03	.3754-03	.5072-03	.2730	3.211	560.7
36	2.0000	.33700	19.000	.2010-01	. 1660-01	.2250-01	.5839-03	.4822-03	.6528-03	.35:0	871.7	3.030
36	2.0000	39000	20.000	.2220-01	10-0281	.2~80-01	.6436-03	.5315-03	.7195-03	.3870	4.571	540.6
名	2.0000	00924.	21.000	.3570-01	.2940-01	.3990-01	.1037-02	.8554-03	50-6511	.6210	7.288	542.9
æ	2.0000	. 47800	22.000	.2640-01	.2180-01	10-0562.	. 7669-03	.6333-03	.8574-03	.4610	5.144	5+0 a

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DATE 07 OCT	27 T30 '		OH-TN (AED)	OH-74 (AEDC V418-88A)	HEATING E	DATA ON OPE	IITER FUSEL	HEATING DATA ON OPBITER FUSELAGE PORT SIDE	3019			PAGE 167
				OH-74 (AE	X W18-88	OH-74 (AEDC V418-88A) BG2CI2F1OH1G4127E52V8R19	OMIGMI27E	2V8R19				(RVB002)
ş	TRA.E	χ	1/C NO	H/HREF	H/HREF	H/HREF	Н(910)	н(10)	HCTAMI	1000	DTMOT	3
NUMBER		1		R=0.9	R=1.0	R=TAW	BTU/ R	BTU. R	81U/ R	910/	DE0. R	DEG. R
							FTESEC	FTZSEC	FTZSEC	FT2SEC) 36 /	
ĸ	2.0000	. 53000	23.000	10-0-61	. 1600-0:	.2160-01	.5623-03	.4643-03	. 6286-03	. 3380	3.772	9.0 40
12	2.0000	.56700	₽¥.000	. 1330-01	1100-6	1490-01	.3862-03	.3190-03	.4316-03	.2330	2.535	539.4
×	≥. r.300	. 62000	25.000	.8700-02	. 7200-02	.9700-02	.2521-03	.2083-03	.28:7-53	. 1520	1.656	539.0
贸	€. J000	.67000	56 .00 0	5100-65	-002h.	.5700-02	.1477-03	. 1221-03	. 1651-03	10-0068	.9720	538.5
×	2.0000	. 70500	27.000	-1720-02	.1400-02	. 1900-02	.5029-04	4157-04	.5619-04	.3000-01	.3280	537.5
8	2.0000	.75090	28.000	.2100-02	.1800-02	.2400-02	.6185-04	.5112-04	.6909-0	.3700-01	.4120	537.2
8	2.0000	. 80000	29 .000	. 1700-02	30-06-1	.1900-02	.5062-04	·4184-04	.5656-04	.3100-01	.3390	537.5
8	2.0000	.82400	30.000	.6000-03	.5000-03	.7000-03	.1714-04	1416-04	.19:5-04	1000-01	. 1450	537.8
25	3.0000	.20000	31.000	.3270-01	.2700-0:	.3660-01	.9503-03	, 7835-03	.1064-02	.5660	6.003	546.0
8	3.0000	.22500	32.900	.2730-01	.2250-91	.3060-01	.7934-03	.6544-03	.8876-03	01/11	5.305	544.6
异	3.0000	.25000	33.000	.2160-01	1780-01	.2410-01	.6269-03	.5174-03	.7011-03	.3760	4.213	542.4
8	3.0000	.27500	₩.000	.1640-01	1320-01	. 1830-01	.4764-03	. 3933-03	.5326-03	. 2863	3.435	S+1.0
×	3.0000	30000	35.000	1630-01	.1350-01	. 1820-01	.4733-03	.3308-03	.5290-03	. 2850	3.532	540.2
ĸ	3.0000	.32530	38.000	.2820-01	.2330-01	.3160-01	. 8203-03	.6773-93	.9172-03	.4930	5.788	5.1.5
29	3.0000	35000	37.000	.3140-01	.2600-01	.3520-01	.9135-03	. 754!-03	. 1021-02	06 -5 .	6.374	5.14
×	3.0000	37500	38.000	.2340-01	10-0+61	.2620-01	.6807-03	.562:-03	,7609-03	060A*	4.810	540.5
8	3.9000	0000₩.	39,000	.2490-01	.2060-0;	.2780-01	.7236-03	.5976-03	.8089-03	. 4350	5.144	540.2
9	3.0000	.42500	600.0°	10-0952	.2110-01	.2860-01	.7441-03	.6144-03	.8319-03	.4470	5.308	0.140
8	3.0000	.45000	41.000	10-0661.	.1640-01	.2220-01	.5781-03	.4775-03	.646!-03	.3480	3.986	539.9
8	3.0000	47500	42.000	1710-01	1410-01	10-0161	.4962-03	.4098-03	.5546-03	.2990	3.336	539.8
Ж	3.0000	. 50000	43.000	13:0-01	10-080;	1470-01	.3810-03	.3148-03	.4258-03	.2300	2.566	539.0
ĸ	3.0000	. 52500	44.000	.8500-02	50-0007.	.9500-02	.2465-03	.2038-03	.2755-03	1490	1.752	538.2
×	3.0000	.55000	45.000	.7450-02	.6100-02	.8300-02	.2146-03	.1773-03	.2398-03	. 1 300	644.1	537.9
×	3.0000	.60000	₩E.000	-4800-0 5	20-000×.	50-00%	1400-03	.1158-03	. 1565-03	.8500-01	.9230	537.5
紧	3.0000	.65000	47.000	.2100-02	.1700-02	.2300-02	.5986-04	10-616h	·0-8859·	.3600-01	. 3860	537.0
28	3.0000	. 70000	₩.0 00	. 1259-02	50-000 i .	.1409-02	.3528-04	₩-7162.	. 394! -04	. 2 100-01	. 2360	536.6
98	3.0000	.75000	49.000	. 1500-02	.1300-02	1700-02	4452-04	.3680-04	10-16h.	.2700-01	2940	536.9
92	3.0000	.80000	50.000	-1800-05	. 1500-02	.2100-02	.5333-04	*0-80**·	.5958-04	.3200-01	3470	537.3
38	3.0000	.85000	51.000	.1100-02	.9000-03	. 1300-02	.3323-04	.2746-04	.3714-64	.2000-01	. 2490	538.8
×	3.0000	.87507	52,000	-1000-05	.900ū- 03	. 1200-02	.3039-04	-5211 - 54	.3396-04	10-0081	.2280	538.8
R	3.0000	90006	53.000	. 1300-02	.1000-02	. 1400-02	. 3562-04	. 3025-54	,4093-04	2200-01	.3080	539.1
19	3.0000	92500	000°.₹	.2700-02	.2200-02	3000-05	.7767-04	.6416-04	- 1898 · D+	10-06:5	0515.	0.850
ĸ	3.0000	.95000	55.000	. 3900-02	. 3200-02	.4300-02	.1128-03	-93156-	1250-03	.6800-91	.6900	5.9.5
×	4.0000	.20000.	71.000	.3550-01	.2930-01	3983-01	.1032-02	.8497-03	. 1:55-02	.6120	6.973	549.0
ĸ	₩.0000	.22500	72.000	10-0775.	.2280-01	3090-01	. 8033-03	. 5624-03	. 9990-03	.4790	5.612	343.0
36	₹.0000	.25000	73.000	.2460-01	.2030-01	.2750-01	.7132-03	.5883-03	. 7979-03	.4260	866.	5. 4.50
12	٠. 0000	.27500	₹.000	10-01/2	.2230-01	.3030-01	.7862-03	.6465-03	.8795-03	00:4:	5.820	D. 5.
ĸ	\$.0000	30000	26 .000	10-0462.	10-0242.	3290-01	.8534-03	7042-03	.95.5-03	.5110	6.699	543.7
×	4.0000	32500	57.000	.2760-01	. 2280-01	.3090-01	.8026-03	.6624-33	. 8977-03	.4810	6.310	3.54.0 0.04.0
異	. 0000°	.35000	58.00¢	.2170-01	10-064;	.2420-01	.6293-03	.5196-03	.7036-03	.3780	4.962 2.962	٠ <u>٠</u>
ĸ	*.0000	37500	99 930	10-0761.	. 1630-01	. 2200-01	.5720-03	.4724-03	.6395-03	3440	4.520	540.3
R	\$.0000 \$,40000	60.709	10-0-21	. 1030-01	1390-01	.3610-03	.2983-03	.4035-03	. E1: 0	2.861	539.0
98	4. D000	09£2¥.	J00' (9	.8100-02	.6700-02	-9100-05	.2353-03	. 1944-03	. 2629-03	. 1420	1.967	338.¢

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DATE 07	DATE 07 OCT 75		01-74 (AED	0H-74 (AEDC VN18-88A)		NTA ON ORE	HEATING DATA ON ORBITER FUSTLAGE PORT		3106			PAGE	3
				OH-74 (AEDC		962C12F1	V+18-88A) 662C12F10M16W127E52VBR19	SZVBR19				(RVB002)	65
2	TRALE	X/L	1/C NO	HINMER	H/HRES	H/HREF	H(970)	нсто		7000	DTHOT	2	
MINBER				R*0.9	R*1.0	R-TAM	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R	~
ĸ	4.0000	. 1 5000	62.000	.5000-02		.6400-02	.1672-03	.1382-03		.1010	1.313	537.6	
×	4.0000	1500	63.000	-4600-02	. 3950-02	.5100-02	. 1325-03	. 1095-03		.6000-01	1.023	537.3	
ĸ	4.1300	.50000	\$.00	.3560-02		3990-05	.1015-03	.8383-0 +		.6100-01	.7630	537.2	
吳	4.3000	.52590	65.000	-2800-05		3100-05	.8063-04	.6665-0 4		10-0054	.6060	537.3	
吳	4.0000	.95000	96.000	.2300-02		2500-02	.6613-04	.5466-04		10-0004.	.4710	537.0	
9	₹.000€	.60000	67.000	. 1200-02		1300-05	3358-04	-0-1775.		.2000-01	.2300	536.5	
×	\$.0000	00059	68.000	.7000-03		.7000-03	.1927-04	.1583-04		.1200-01	. 1370	536.7	
×	4.00rg	.70000	69.000	. 1300-02		1400-05	₽-117£.	.3067-04		.2200-01	.2510	537.6	
×	¥.0000	.75000	70.000	-1000-05		1100-05	·0-9682·	.2394-04		10-0081	1960	537.3	٠
ĸ	4.0000	.60000	75.000	. 5000-03		.6000-03	.1535-04	. 1268-04		-0006	.1120	538.2	
R	4.6000	.85000	76.000	. 5000-03		£0-000÷	-9C+E	.1220-04		-30006	. 1060	538.1	
炽	4.0050	.87500	77.000	3000-03	-	3000-03	.7659-05	.6329-05		.5000-02	10.0019*	537.9	
ĸ	4.0000	. 9000	78.000	.8000-03	-	8000-03	. 2206-04	. 1823-04		.1300-01	0571.	538.5	
92	4. 0000	92500	79.000	. 1900-02	•	-2100-05	.5551-04	*0-98G*·		.3300-01	.4156	539.3	
8	\$.0000	.95000	80.000	2200-05	•	2000-05	.7202-04	.5950-04		.4300-01	.5110	539.0	

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DATE 07	DATE 07 OCT 75		OH-74 (AEDC V4'B-PBA) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	(W. B-EBA)	HEATING	DATA ON OR	BITER FUSE	LAGE PORT	510E			PAGE 169
				0H-74 (AE	DC V418-88	04-74 (AEDC V418-88A) BG2C12F10M15W127E52VGR19	10M16W127E	52V8R19				(RVB002)
ORBITER FUSE, A	FUSE, A E							PARAM	PARAMETRIC DATA			
					BETA	1.000	НАСН	■ 8.000	ELEVON .	0000.	RUDDER .	. 0000
					165	*** TEST CONDITIONS***	•••					
S.	MACH	AL PHA	8	1	Ŧ	YAH		٠ {	0 ;	> 1	S HO) E
NUMBER		DEG.	¥IS4	DEG. R	DEG.	1.56.	DEG. R	PSIA	¥1S4	F1/5EC	5LUGS /FT3	_B-5£C /FT2
33	7.960	15.44	299.5	1269.	176.0	1.000	92.80	.3200-01	904.1	3758.	P865-04	.7473-07
S	RN/L	HAEF	STN NO									
NUMBER	X10 6	BTU/ R	R.									
37	<u> </u>	.2900-01	.3374-01									
					:	***TEST DATA**	:					
2	TRACE	×۲۲	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	HCT0)	H(TAH)	1000	DTMDT	골
NUMBER				8-0.9	R=1.0	R-TAW	8TU/ R	BTU/ R	BTU/ R	910/	DEG. R	DEG. R
							FT2SEC	FTZSEC	FT2SEC	FT2SEC	/SEC	
e t	0000.	. 27500	1.0000	1590-01	1310-01	10-0771.	70-108 70-108	3801-03	.5146-03	0775.	0.871 1.024	540.8
i Fi	1.0000	. 32500	3.0000	.1270-01	. 1050-01	1420-01	3687-03	3045-03	.4122-03	, 2220	2.285	540.3
ĸ	0000.1	.35000	٠, 0000	.2210-01	. 1820-01	.2470-01	.6397-03	. 5282-03	.7153-03	.3840	3.986	541.3
r t	1.0000	.37500	5.0000	.2040-01	16-0691.	10-0822.	5926-03	.4892-03	50-1-03	.3560	3,742	04. 1.0
, E	0000.1	. 42500	7.0000	. 2560-01	.2120-01	.2870-01	.7432-03	.6135-03	.8310-03	7.460	4.627	541.9
æ	1.0000	. 45000	9.0000	.2930-01	.2410-01	.3270-01	.8482-03	.7001-03	.9484-03	. 5090	5.207	542.0
۲ بر	0000.1	.47500	9.0000	. 2200-01	1820-01	225.001	50-6379	. 5266-03	.7133-03 9464-03	.3830 	3.901	541.7
i li	1.0000	.52500	11.000	.2850-01	.2359-01	3190-01	.8273-03	.6829-03	.9251-03	. 4960	5.033	542.0
3,	1.0000	.55000	12.000	10-0755.	10-0861.	10-0465.	.6586-03	.5437-03	,7363-03	.3960	3.975	5.1.4g
37	1.0000	.60000	13.000	11730-01	.: 430-01	10-0231.	.5015-03	.4140-03	.5607-63	3010	3.055	3.01
£ ;	0000.1	.65000	14.000	.6900-02	5730-02	50-0077.	. 1985-03	1639-03	.2219-03	1200		539.8
F F	0000	.70000	15.000	20-00/1	3300-067	40-0044	1152-03	*0-9195°	. 1287-03	10-0069	.7050	539.0
i li	0000	30008.	17.000	24-00-05	.2000-02	-2700-02	.6907-04	.5707-04	.7719-04	4200-01	. 4050	538.7
33	2.0000	.28500	18.000	10-0291	1380-01	.1870-01	.4854-03	£0-8004.	.54?7-03	.2920	3.424	4.140
33	2.0000	.33700	19.000	.2720-01	.2250-01	.3040-01	.7889-03	.6512-0,	.8623-03	.4730	5.583	542.3
33	2.0000	.39000	20.000	.2340-01	10-0261	.2620-01	.6784-03	.5600-03	.7585-03	.4070	F. 803	541.5
£ £	2.0000	.47800	22.000	10-0625.	.2340-01	.3160-01	.8205-03	.6773-03	. 1098-02 . 9175-03	.4920	5.491	54.6
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DATE 0	DATE 07 OCT 75		0H-74 (AEDC V41B-88A)	. W1B-88A)		HEATING DATA ON ORBITER FUSELAGE PORT SIDE	II TER FUSEI	AGE PORT S	301			PAGE	170
				OH-74 (AEE	C V418-88/	0H-74 (AEDC V418-88A) 862C12F10M16W127E52V8F119	OMIGHIZ7E!	SEVBR119				(RV8002)	(20
2	TRALT	×	1/C NO .	H/HREF	H/HREF	H/HREF	H(9T0)	H(10)	H(TAH)	1000	OTHOT	¥	
NUMBER] - -	!		R=0.9	R=1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	81U/ 51255	DEG. R	050. R	
•	0	41000	יטטי צפ	10-00-01	10-0421	1670-01	4339-03	3783-03	1651-03	.2610	2.911	9.03	
î F	2.0000	58700	. 000 . *	1130-01	9+00-05	1870-01	.3267-03	.2715-03	.3674-03	.1980	2.156	539.8	
i in	2.000	.62000	25.000	-00009	.5000-02	.6700-02	.1738-03	.1436-03	. 1942-03	. 1050	1.142	539.0	
F	2000	.67000	26.000	.4000-03	.3000-03	.5000-03	1181-04	.9756-05	.1319-04	.7000-02	. 7800-01	537.8	
3	2.0000	.70500	27.000	.2100-02	. 1800-02	50-00-Z	.6221-04	.5142-04	.6951-04	.3800-01	. 4060	537.7	
æ	2.0000	.75000	28.000	.3500-02	-S000-02	.3900-02	. 1010-03	.8343-04	.1128-03	10-0019.	.6720	537.8	
33	2.0000	.80000	29.000	.2500-02	-2100-05	20-0082	ををして.	-0-0-0.	-8038-Ot	10-0064	\$610 100 100 100 100 100 100 100 100 100	537.8	
33	2.0000	.82400	30.000	.8000-03	.7000-03	.9000-03	P0-6482.	. 1942-04	.2625-04	1400-01	. 1980	537.9	
31	3.0000	.20000	31.000	.3250-01	.2680-01	.3640-01	\$30-03	.7773-03	1055-02	.5610	, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,	200	
ŢĘ.	3.0000	.22500	32.000	.2720-01	.2240-01	3040-01	. 7879-03	.6498-03	.6816-03	0174.	5.00 2.00 3.00 3.00 3.00 3.00 3.00 3.00 3	n c	
37	00cc ×	.25000	33.000	10-0612	1810-01	.2450-01	.6346-03	50-/596	40-120/ ·	. 2800	1000	- T	
Ę	٠٠ ١٥٥٥	.27500	000. X	10-0771.	1450-01	10-0861.	50-B51C.	50-15U5.	50-01/0	. 2000 0445	960.1	0	
37	3.0060	. 30000	35.000	10-0861	1630-01	. ee10-01	50-85/5.	47.50-05.	60-040-	07.47	5 5 7 5 S		
۳.	3.0000	. 32500	36.000	3200-01	10-0492	10-09C5	7001-03	20-C00/ ·	30-8501:	0464		0	
F 1	3.0000	00055.	37.000	10-06/20	ימיים.	10-0000	74.70-03	10-08CH	E0-4948	0000	5.338		
<u>ب</u>	3.0000	036/5.	29.000	10-010-0	2010-01	3000-01	7769-03	5414-03	.8686-03	.4670	5.510	9. 1.P	
÷ ;	3.0000	00004	23.000	10-0003	1890-01	.2560-01	.6629-03	5473-03	.7.11-03	. 3980	4.723	5. T.	
; F	3.0000	15000	41.000	10-0201	1580-01	.2140-01	.5556-03	.4588-03	.6211-03	3340	3.825	S40.5	
; F	3.0000	.47500	42.000	10-0091	.1320-01	11790-01	.4642-03	.3834~03	.5189-03	.2800	3.121	539.9	
3.	3.0000	. 50000	43.000	.1060-01	.8700-02	10-0811.	. 3059-03	.2527-03	.3419-03	. 1840	2.059	539.3	
37	3.0000	. 52500	44.000	.7200-02	. 5900-02	-B000-05	. 2090-03	.1719-03	.2325-03	. 1260	1.476	538.7	
33	3.0000	.55000	1,5.000	.6300-02	.5200-02	.7000-02	.:822-03	. 1505-03	.2036-03		1.229	339.4	
33	3.0000	.60000	46.000	.3700-02	. 3000-02	-4100-0S	.1061-03	.6771-04	.1186-03	.6400-01	.6990	257.5	
33	3.0000	.65000	47.000	.2100-02	. 1700-02	50-00-5	-0-1219	.5050-04	.5838-04	10-0078.	246	20.00 C. C.	
F 1	3.0000	. 70000	48,000	50-0015.	20-00/1.	10-00es	8210-04	- 1878 - 1878 - 194	40-EC16.	5000-01	01.50	537.3	
ž F	3.0000	00007	יים יים יים יים יים יים יים יים יים יים	1600-02	1300-02	1800-02	4656-04	3848-04	-5205-04	.2800-01	. 3020	537.6	
i F	3.0000	. 65090	51.000	. 1000-02	.8000-03	.1100-02	.2838-04	.2320-04	.3138-04	10-0041.	.2100	538.7	
'n	3.0000	.87509	52.000	.1700-02	. 1400-02	. 190n-02	.4843-04	40-100h.	.5412-04	.2900-01	. 3620	539.1	
33	3.0000	32006.	53.000	.2200-02	. 1800-02	.2500-02	.6401-04	.5287-04	.7155-04	.3900-01	. 5380	539 7	
37	3.0000	.92500	±.000	.3300-02	.2700-0 2	.3700-02	40-6496 .	.7970-04	. 1079-03	10-0086	0507	9.000 0.000	
37	3.0000	.95000	55.000	.3400-02	.2830-02	. 3800-02	.9855-04	40-0418°	.1102-03	10-0065.	. 5050	0.030	
۳	۴.0000	. 20000	71.000	.3420-01	.2810-01	. 3833-01	.9907-03	50-8C18.	1109-06	0/80.	, 60.0 Mag	יים אלו מרשיים	
33	4.0000	. 22500	72.000	.2900-0!	. 2390-01	. 3250-01	.8412-U3	. 6934-U3	50-01-0	0.00.			
æ	۴ . 0000	. 25000	73.000	.2690-01	. 2220-01	3010-01	50-5677.	. 6466-03	50-03/8	2002	20.1	1 0	
33	4,0000	.27500	74.00c	. 2890-01	.2380-01	. 36.50-01	50-1/5B.	CO-4080.	40-00-E	0000	60.0	111	
37	4.0000	. 30000	56.000	10-0015	10-0002	10-0/96	50-1006.	FU-8218	80-022d	0957	5.850	, E	
33	6000.4	. 32500	57.000	10-0765.	10-010-	25.40-01	6561-03	50-91-15 50-81-15	7337-03	39+0	5.165	54°.0	
F 1	0000.	. 35000	26.000	10-090-	10-0791	2070-01	50-6256	4442-03	.6014-03	3240	4.248	\$ 0.0 £	
5	4.0000	מספטיי	000.65	10-0901	50-00CB	1180-01	3063-03	2530-03	3422-03	. 1850	2.425	539.3	
÷ t	1,000	42500	60.000	50-00-7	.6100-02	.8300-02	2145-03	.1772-03	. 2397-C3	1290	1.700	538.8	
ï	,			i	· •								

DATE 07	DATE 07 OCT 75		OH-74 (AEDC V418-88A)	V418-88A)	HEATING DATA ON ORBITER FUSELAGE PORT	ATA ON ORB	ITER FUSEL	AGE PORT S	SIDE			PAGE 171	
				OH-74 (AED	24-74 (AEDC V418-88A) BG2C12F10M16W127E52VBR19) B62C12F1	OM164127ES	2V8R19				(RVB002)	
RUN	TRANE	×	1/C NO	H/HREF R-0.9	H/HREF R=1.0	H, HREF R=TAH	H(910) BTU/ R FT2SEC	H(TO) BTU/ R FT2SCC	HITAN) BTU/ R FT2SEC	0007 BTU/ F1255C	DTWDT DEG. R /SEC	TH DEG. R	
33	4.0000	.45000	62.000	5400-05	20-0044.	.6000-02	. 1552-03	. 1282-03	. 1734-03	10-00%	1.218	538.1	
37	4.0000	.47500	63.000	S0-0094.	.3800-02	.5200-02	. 1344-03	.1111-03	. 1502-03	10-0018	1.037	538.2	
37	4. 0.300	.50000	64.000	.3100-52	.2600-02	.3500-02	+0-9806·	.7510-04	.1015-03	.5500-01	.6820	537.7	
33	۰۰, ک	.52500	65.000	.2500-02	.2000-02	.2700-02	.7128-04	.5891-04	.79 63 -04	.4300-01	5350	537 5	
33	4.0000	.55000	65.000	.6000-03	.5000-03	.6000-03	.1665-04	.1376-04	.1860-04	10-0001.	.1190	537.2	
75	۴.0000	.60000	67.000	.6000-03	.5000-03	.7000-03	.1780-04	1472-04	1989-04	1130-01	.1220	536.6	
E	4.0000	.65000	69.000	.1000-02	.8000-03	.1100-02	.2860-04	.2364-04	.3195-04	. 1700-01	. 2040	537.2	
37	₹.0000	.70000	69.000	. 1200-02	-1000-05	.1400-02	.3512-04	.2903-04	.3924-04	10-0012.	.2370	537.6	
37	٠, 0000	.75000	70.000	-1700-02	20-0041.	. 1900-02	+0-806+	+0-750+.	·5+8+-0+	.3000-01	. 3320	537.7	
37	4.0000	00008.	75.000	.6000-03	.5000-03	.7000-03	. 1884-04	1557-04	-5106-04	1100-01	.1370	538.4	
33	4.0000	.85000	76.000	. 1600-02	. 1300-02	.1700-02	+517-04	.3734-04	.5046-0"	.2700-01	. 3250	536.8	
37	4.0000	.87500	77.000	.9000-03	.7000-03	.1000-02	-586-04	.2137-04	.0· 6882	10-0091	.2050	538.2	
37	4.0000	. 90000	78.000	.2700-02	.2200-02	.3000-02	.789 2-0 4	.6519-04	.8820 -04	10-0084	.5180	539.2	
37	4.0000	.92500	79.000	-4800-05	.3900-02	.5300-02	.1382-03	.1142-03	. 1545-03	.8300-01	1.034	539.3	
33	4.0009	.95000	80.000	20-0014.	.3400-02	-n-009h.	.1194-03	·9865-04	. 1335-03	. 7200-01	.8450	5.040	

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0A1E 07	07 OCT 75		04-74 (AEDC V418-88A)	. V418-88A	HEATING !	DATA ON OR	BITER FUSE	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	305			PAGE 172
				OH-74 (AE	OH-74 (AED" V418-68A) BG2C12F1OM16W127E52VBR19	A) BB2C12F	10M16W127E	52VBR19				(RVB002)
0RB1TE	ORBITER FUSE, AGE							PARAME	PARAMETRIC DATA			
					BETA	1.000	НАСН	. 8.000	ELEVON .	0000.	RUDDE.?	0000 .
					.531***	***TEST CONDITIONS***	•••					
S.	MACH	ALPHA	8	5	ĩ	YAW	-	Q.	o	>	S.	₹
NUMBER		DEG.	PSIA	DEG. R	.020	DEG.	DEG. R	PSIA	PSIA	FT/SEC	SLUGS /FT3	LB-SEC /FT2
9	7.980	29.93	418.9	1288.	-30.02	1.000	93.80	30-00+4.	1.94.	3786.	.3902-04	.7549-07
P.S.	RN/L	HEE	STN NO									
NUMBER	X10 6	BTU/ R	æ 5									
94	1.957	3419-01	.2895-01									
					•	**************************************	:					
ź	TRACE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(TO)	HCTAH	1000	DTMDT	1 F
NUMBER		l :		R*0.9	R=1.0	R-TAW	BTU/ R	8TU/ R	91U/ R	910/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FTZSEC	FT2SEC	/SEC	
46	1.0000	.27500	0000.1	. 1550-01	.1280-01	11730-01	.5302-03	.4385-03	.5920-03	.3270	3.390	542.6
46	1.0000	.30000	2.0000	.1330-01	1000-01	1480-01	.4541-03	.3757-03	.5071-03	980	2.975	542.3
9	1.0000	.32500	3.0000	13-0-01	10-01-1	1500-01	.4580-03	. 3790-03	.5114-03	2720	2.827	7.1.0
ָט פֿר	0000	37500	5.0000	10-0511	9500-02	12-06-1	.3937-03	. 3257-03	.4396-03	8	2.554	542.3
ģ	1.0000	40000	6.0000	. 1870-01	. 1550-01	.2090-01	.6388-03	.5284-03	.7134-03	.3940	4.044	543.0
46	1.0000	.42500	7.0000	10-0681.	.1560-01	.2110-01	.6453-03	.5336-03	.7207-03	3976.	4.116	543.7
46	1 .0000	. 45000	9.000	. 2330-01	1930-01	.2600-01	.7965-03	.6585-03	.8896-03	0064.	5.008	54.4.0
9 .	1.0000	.47500	9.0000	10-0005.	. 1650-01	3040-01	.5842-03 929:-03	26-80-03 7691-03	1038-02	5710	5.778	0.44.0
o Ç	0000	55500	11.000	. 3520-01	10-0162.	3930-01	. 1202-02	.9934-03	.1343-02	.7370	7.449	546.5
9	1.0000	. 55000	12.000	.3640-01	.3010-01	.4070-01	. 1245-02	.1028-02	1391-05	.7630	7.647	5,6.5
ð	1.0000	.60000	13.000	.3350-01	10-0775.	.3740-01	. 1144-02	.9454-03	.1279-02	.7000	7.082	547.1
46	1.0000	.65000	14.000	.2330-01	19-0261	.2603-01	.7951-03	. 5575-03	.8881-03	,¥890	4.953	7.4.0
9	1.0000	.70006	15.000	.2010-01	.1670-01	.2250-01	.6864-03	.5693-03	.7688-03	. 4240	~ · · · ·	9. 4. 6 1. 6 1. 6 1. 6 1. 6 1. 6 1. 6 1. 6 1
46	1.0000	.75000	16.000	12-06-11	10-0201.	10-0-41	£0-6044.	.3647-03	.4923-03	.2720	2.757	542.2
9*	; . uuda	.80000	17.000	.7190-02	.5900-02	.7900-02	.2422-03	.2003-03	.2704-03	0641	B	9.40.0
97	S.0000	.28500	18.000	.1710-01	1410-01	1910-01	.5833-03	.4826-03	.65.2-03	.3600		346.1
9	2.0000	.33700	19.000	10-0351	1190-01	.16:0-01	.4931-03	.4079-03	. 5505-03	. 3040	5.09C	0.04C
46	2.0000	39000	20.000	2750-01	2270-01	3070-01	50-1856.	50-50//	20-6400	0//0.	0.00 0.00 0.00 0.00 0.00	7 6
9 (2.0000	.42600	21.000	3450-01	10-0582.	10-0000	50-19C1	50-8475.	40-4501	0.00	66.1	3.03
å	2.0000	.47800	22.000	10-0216.	10-0524	10-06/3	30-10/1.	10 DEFT .	10-0261	?	3	

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DATE 07 OCT	7 OCT 75		0H-7% (AEDC	OH-74 (AEDC V418-88A)	HEATING D	ATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT	AGE PORT S	SIDE			PAGE 173
				OH-74 (AE	04-74 (AEDC V418-88A) BG2C12F10M16W127E52V8R19	BESCIEF!	OMIGWI27ES	2V8R19				(RVB002)
č	104. 5	×	CM 7/1	H/HBEE	H/HRFF	H/HREF	H(910)	H(10)	H(TAM)	1000	DTMOT	3
NUMBER	J KE	,	3	6.0	R-1.0	R-TAH	BTU/ R	81U/ R	BTU/ R	910/	DEG. R	DEG. R
	;				6	0	FTZSEC	FTESEC	FTESEC	FT2SEC	/SEC	Sub.
9	2.0000	00054.	63.000	10-6550	13-04-61	10-0056	7020-02	50-03	7862-03	22.50	502	543.7
9 9	2.0000	. 56700		יייייייייייייייייייייייייייייייייייייי	10-00/1	15-00-51	FO-0584	3995-03	5393-03	0862.	3.239	542.6
₽ 9	000	00000	25.000	10-0001	-0-00-b	10-01-01	3713-03	.3072-03	4145-03	.2290	2.496	341.4
D (0000	20505	27.000	50-0015	.7500-02	1050-01	.3128-03	.2588-03	3491-03	. 1930	2.083	541.2
9 4	2.0000	75000	28.000	.6700-02	.5600-02	.7500-02	.2307-03	. 1909-03	.2575-03	. 1430	1.568	540.8
, (C	0000	. 80000	29.000	-00°-	.2600-02	.3500-02	.1087-03	·0- ·668.	.1213-03	.6700-01	.7430	540.6
ģ	3.0000	.20000	31.000	10	.2660-01	.3610-01	.1103-02	.9104-03	. 1234-02	.6710	7.091	551.2
9	3.0000	.22500	32.000	.2880-01	.2370-01	.3210-01	.9830-03	.8118-03	30-6601.	.6010	6.710	548.2
4	3.0000	.25000	33,000	.2180-01	10-0181.	.2440-01	.7469-03	.6175-03	.8343-03	.4590	5.137	544.6
ý	3.0000	.27500	34.000	1750-01	1450-01	.1960-01	. 5988-03	.4953-03	.6686-03	.3690	4.427	542.4
ð	3,0000	. 30000	35.000	.1570-01	.1300-01	11750-01	.5352-03	.4429-03	.5975-03	.3310	4.098	341.4
19	3.0000	.32500	36.000	.1620-01	.1340-01	1810-01	.5538-03	.4582-03	.6182-03	.3420	f.013	541.7
å	3.0000	.35000	37.000	.2490-01	.2060-01	.2780-01	.8516-03	.7043-03	.9510-03	.5250	6.089	543.3
å	3.0000	.37500	38.000	.3640-01	3010-01	10-0204	.1246-02	.1030-02	. 1392-02	.7650	8.97!	544.8
5	3.0000	60004.	29.000	.3850-01	.3180-01	.4300-01	.1316-02	.1088-02	.1470-02	.8080	9.516	955.W
4	3.0000	.42500	40.000	.3590-01	.2970-01	.4010-01	. 1227-02	. 1014-02	. 1371-02	. 7520	8.903	2.66.6
46	3.0000	.45000	41.000	. 3950-01	. 3270-01	10-0244.	. 1351-02	.1117-02	.1510-02	. 8290	9.462	9. t. t.
4	3.0000	.47500	42.000	.28:0-01	. 2320-01	.3140-01	. 9501-03	. 7938-03	.1073-02	0065.	5,0,6	0.44.0
Ď	3.0000	.50000	43.000	1970-01	.1630-01	.2200-01	.6737-03	.5571-03	. 7523-03	0014.	4.004	0.00 P
ş	3.0000	.52500	44.000	14-05-01	10-0811	1590-01	.4865-03	.4043-03	54.56-0.5	0000		. בר בר ה הר בר ה
ş	3.0000	. 55000	45.000	10-06:1.	- 9800	1320-01	.0054-03	3354-03	. 4763-03	0002.	יארר - דרר -	0.04
9	3.0000	.60000	46.000	.7700-02	-00-05	-8600-02	.2640-03	50-cars.	20-7-50-0	001.	100	0 to 0
46	3.0000	.65000	47.000	5700-05	-007v.	50-0049.	. 1952-03	. 1616-03	. E0-8175.	10.0000	9500	, C. C. J.
46	3.0000	. 70000	48.000	.3700-02	3000-05	.4100-02	7200 00	50-1401.	20-50-10	10-0097	0000.	. o. c.
4 9	3.0000	.75000	49.000	-2100-02	. 1800-02	20-00-25	. /595-04 Jenne	-00400-04 	40-6406	10-0001	מקרי	7.95.5
\$	3.0000	00000	50.000	.7000-03	.6000-03	50-0008.	40-5555.	*0-C115.	*0-5085.	4500-01	0024	541.6
ğ	3.0000	00000	000.15	20-00-11	20-0061	1600-02	10-0181	7986-04	538 - 04	3000-01	.3680	545.9
9 (3.0000	0.578.	36.000	20-0001	20-00-0	20-00-1	40-695E	40-2562.	3986-04	.2200-01	3060	543.5
ę y	3.0000	92500	000	20-0001	-0006	.1200-02	.3534-04	.2923-04	.3947-04	.2200-01	.2850	543.6
ץ ני	0000	95000	55.000	. 1200-02	.1000-02	. 1300-02	.3995-04	.3305-04	40-194h.	.2500-01	. 2500	5:2.7
ğ	0000	.20000	71.000	.3910-01	.3220-01	.4380-01	.1337-02	.1102-02	. 1496-02	.8070	9.164	555.6
y q	0000	29500	72.000	.2980-01	.2460-01	.3330-01	.1017-02	.8393-03	.1138-02	.6180	7.226	551.1
9	0000	25000	73.000	.2400-01	10-0661.	.2690-01	.8217-03	.6788-03	.9185-03	.5020	5.879	547.8
ģ	4.0000	.27500	74.000	. 2250-01	1860-01	.2520-01	.7706-03	.6358-03	.8611-03	.4720	5.838	546.3
9	0000	30000	56.000	.2060-01	1700-01	.2300-01	.7027-03	.5810-03	. 7849-03	.4320	5.662	544.3
9	, 0000	.32500	57.000	10-0404	.3340-01	.4520-01	. 1382-02	-1141-05	. 1515-02	.8450	3 0.1.	548.1
9	4,0000	.35000	59.000	.4600-01	.3790-01	10-0415.	.1571-02	. 1297-02	.1757-02	. 9560	12.49	550.4
å	4.0000	.37500	59.000	.2910-01	.2410-01	. 3260-01	.9961-03	.8232-03	.1113-02	.6110	8.002	7.5.7
\$	4.0000	C0004.	60.000	.1920-01	. 1590-01	.2140-01	.6562-03	.5426-03	.7329-03	0404.	5.292	9. ce
46	4.0000	. 42500	000'19	. 1380-01	1140-01	1240-01	.4724-03	. 3908-03	.5275-03	2910	3.860	346.0
95	۴.0000	.45000	62.000	.9700-02	-80008	10-0801.	.3310-03	.2739-03	. 3696-03	0,02.	2.651	٠ <u>٠</u>

これがはないのでは、これのでは、これのはないのでは、大きのないのでは、大きのないできないというできます。 しょうしゅうしょうしょう

DATE 07	DATE 07 OCT 75		OH-74 (AEDC		WIB-88A) HATING DATA ON ORBITER FUSELAGE	DATA ON OPE	91TER FUSEI	PORT	SIDE			PAGE 174
				OH-74 (AEE	34-74 (AEDC V418-88A) 862C12F10M18M127E52V8R19	N BBECLEF	10M16W127E	\$2VBR19				(RVB002)
3	TRATE	X/K	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(70	HCTAW	1000	DTMOT	7
NUMBER				R=0.9	A=1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
5	4.0000	. 17500	63:000	.7100-02	5900-05	-8000-05	2440-03	.2019-03	.2724-03	1510	1.921	. 1 ±0
9	4.0000	.50000	64.000	5100-05	.4200-02	5700-05	.1735-03	.1436-03	. 1937-03	.1070	1.331	5+0.6
\$	4.1.000	. 52500	65.000	50-0094	. 3800-02	. 5200-02	.1586-03	.1313-03	. 1771-03	.9800-01	1.217	340.4
ş	4. 3000	. 55000	66.000	-4300-0S	.3600-02	-4800-05	.1473-03	.1219-03	. 1644-03	10 0016.	1.071	540.3
9,	. 0000	. 60000	67.000	3100-05	.2500-02	.3400-02	.1052-03	.8714-04	.1174-03	.6500-01	.7360	539.2
46	٠.0000	.65000	68.000	20-000 -05	.1700-02	.2300-02	.7004-04	.5900-04	.7816-04	. +300-01	.5110	539.1
4	4.0000	.70000	69.000	.7000-03	.6000-03	.8000-03	.2514-04	.2082-04	.2805-04	.1600-01	.1740	539.5
ş	4.0000	.75000	70.000	. 1200-92	-1000-05	.1300-02	.4083-04	.3381-04	.4556-04	.2500-01	.2830	538.9
9	4.0000	.80000	75.000	.6000-03	.5000-03	.7000-03	.2108-04	.1745-04	.2353-04	1300-01	.1580	539.7
ţ	4.0000	.87500	77.000	.5000-03	.4000-03	.5000-03	.1656-04	.1371-04	1848-04	10000-01	. 1350	540.2
ş	4.0000	0006.	78.000	.7000-03	.6000-03	.8000-03	.2303-04	.1906-04	-2571-04	10-00%;	. 1850	540.7
\$	4.0000	.92500	79.000	.5800-02	-4800-0S	.6530-02	. 1995-03	.1651-03	. 2226-03	1240	1.532	541.2
ş	4,0000	.95003	80.000	.1100-02	.9000-03	1200-02	.3795-04	.3140-04	.4236-04	0000	.0000	583.3

FEB TUSE, AGE	DATE 07 0C1 75												
## PRANTERIC DATA ### PARAMETRIC DATA ### PARAMET					OH-74 (AE	DC V*18-88	A) BG2C12F	10M16W127E	32VBR19				(RVB)
## HACH ALPHA PO 0:10 PHI YM I P PSIA PSIA FLEVON • .0000 RUDGER • ## HACH ALPHA PO 0:10 PHI YM I P PSIA PSIA FLYSEC SUUS ## HACH ALPHA PO 0:10 PHI YM I P PSIA FLYSEC SUUS ## HACH ALPHA PO 0:10 PHI YM I P PSIA FLYSEC SUUS ## HACH ALPHA PO 0:10 PHI YM I P PSIA FLYSEC SUUS ## HACH ALPHA PO 0:10 PHI P PMI P PSIA FLYSEC SUUS ## HACH ALPHA PO 0:10 PHI P PMI P PSIA PSIA FLYSEC SUUS ## HACH ALPHA PO 0:10 PHI P PMI P PMI P PSIA PSIA FLYSEC SUUS ## HACH ALPHA PO 0:10 PMI P	ORBI TER	PUSE, AGE							PARAM	ETRIC DATA			
NACH ALPM PO 10 PHI YM T T P 0 0 V RNO						BETA				ELEVON			
Mach Mach						531	1 COMDITIO	NS • • •					
7.980 34.91 417.9 1290. 168.8 1.000 93.90 4400-01 1.939 37893887-04 FRAUL HEEF 5TH NO XIO 6 BTUL R R XII 6 BTUL R R XII 6 BTUL R R XII 6 BTUL R R XII 6 BTUL R R XII 6 BTUL R R XII 6 BTUL R R XII 6 BTUL R R XII 6 BTUL R R XII 6 BTUL R R XII 6 BTUL R R XII 6 BTUL R R XII 6 BTUL R R XII 6 BTUL R R XII 6 BTUL R R XII 6 BTUL R R XII 6 BTUL R R XII 6 BTUL R R XII 7 C NO XI 6 C R XI 7 C NO XI 7 C	SC.	MACH	ALPHA	8	0	ž	YAH	-	Q.	o	>	9HO	₹
## ## ## ## ## ## ## ## ## ## ## ## ##	NUMBER		DEG.	PSIA	DEG. R	DEG.	DEG.		PSIA	PSIA	F1/5EC	SLU65	LB-SE(
### ### \$17 NO #### \$17 NO #### ### \$17 NO #### ### \$17 NO #### \$17 N	47	7.980	34.91	417.9	1290.	169.8	000.1	93.90	10-0044	1.939	3789.	.3887-04	. 7561-0
1.946 1.9419-01 1.9901-0	RUN NUMBER	RN/L X10 G	HREF BTU/ R	STN NO		,							
TRACE X/L 1/C NO H/HREF H/1910 H/10) H/14H) GOOT DTHOT THA R=0.9 R=1.0 R=1AH H/1910 H/10) H/14H) GOOT DTHOT THA R=0.9 R=1.0 R=1AH H/1910 H/10) H/14H GOOT DTHOT THA R=0.9 R=1.0 R=1AH H/1910 H/10) H/14H GOOT DTHOT THA R=0.9 R=1.0 R=1AH H/1910 H/10) H/14H GOOT DTHOT THA R=0.9 R=1.0 R=1AH H/1910 H/1	Ç	.9.8	FT25EC	.2901-01	, `	-							
Frace X/L 1/C NO H/HREF H/HRE						•	TEST DATA.	:					
1,0000 27500 1,0000 1,530-01 1,710-01 1,530-01 1,939-03 3,834-03 3,834-03 3,834-03 3,834-03 3,834-03 3,934	5	TRACE	x/x	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAH)	1000	TOMTC	¥
1,0000	NUMBER				R=0.9	R-1.0	R. TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	
1,0000								FT2SEC	FT2SEC	FT2SEC	FT2SEC	/SEC	
1,0000 30000 2,0000 1150-01 1130-01 14660-03 3873-03 1225-03 12900 3,074 1,0000 125500 3,0000 1150-01 1950-01 19939-03 3851-03 1439-03 12440 2,559 1,0000 1,100000 1,10000 1,10000 1,10000 1,10000 1,10000 1,10000 1,10000 1,10000 1,10000 1,10000 1,10000 1,1	£,	1.0000	.27500	1.0000	.1530-01	.1270-01	.1710-01	.5226-03	.4324-03	.583: 13	. 3230	3.349	9, ¹ , 9
1,0000 35500 4,0000 1150-01 1950-01 1495-01 13933-03 3561-03 4941-03 72440 2.5599 1,0000 1,0000 4,0000 1,00	4	1.0000	.30000	€.0000	.1370-01	.1130-01	.1530-01	.4680-03	.3873-03	. 5225-03	. 2900	3.074	m Que
1,0000	5	1.0000	.32500	3.0000	1150-01	.9500-02	18501	. 3939-03	. 3261-03	.4397-03	ייייי פיירט פיירט	20.00 C.10	<u> </u>
1,0000 4,9200 7,0000 6,0000 1,	; ;	000	27500	3,000	10-0-1	10-05-1	10-0-01	5935-03	.4910-03	.6626-03	.3670	3.859	5,4.6
1,0000 1,42500 7,0000 1,1820-01 1,2000 1,510-01 1,510-01 1,510-01 1,525-03 1	: 13	1.0000	40000	6.0000	.2270-01	1680-01	.2530-01	.7754-03	.6416-03	.8656-03	.4800	4.929	542.3
1,0000 4,5000 8,0000 2,0000 1,660-01 2220-01 6842-03 5662-03 7638-03 4240 4,334 1,0000 4,7500 9,0000 2,230-01 2,270-01 2,995-03 116-02 6170 6,273 1,0000 5,5000 10,000 2,230-01 2,240-01 1,025-02 11,116-02 6170 6,273 1,0000 5,5000 11,000 2,240-01 2,480-01 1,022-02 8945-03 1111-02 61.38 1,0000 5,5000 12,000 2,480-01 2,480-01 1,248-02 61.29 61.20 61.28 1,0000 12,000 13,000 2,480-01 1,248-02 1,214-02 67.10 6.38 1,0000 14,000 2,240-01 1,248-02 1,214-02 67.10 6.38 1,0000 15,000 13,000 11,100 2,240-01 1,248-02 1,248-03 1,249-03 1,249-03 1,249-03 1,249-03 1,249-03 1,249-03 1,249-03 1,249-03	7	1.0000	.42500	7.0000	. 1820-01	1510-01	.2040-01	.6232-03	.5156-03	.6958-03	.3850	3.994	542.9
1,0000	47	1.0000	.45000	B. 2000	.2n00-01	1660-01	. 2240-01	.6842-03	.5662-03	.7638-03	.4240	4.334	541.9
1,0000	ç	1.0000	.4750n	9.0000	.2930-01	10-02+2.	,3270-01	.9995-03	.8267-03	.1116-02	.6170	6.273	944.0
1,0000	*	1.0000	.50061	10.000	.2350-01	1950-01	.2630-01	.8037-03	.6649-03	.8973-03	0.4970	5.034	ָּהָיהָ מינה מינה מינה מינה מינה מינה מינה מינה
1,0000	£ .	1.0000	.52500	000.11	.2990-01	.2480-01	3340-01	1022-02	.8454-03	20-1411.	9159.	6.53¢	9 11 10
1,0000	÷ 3	0000	50000	000	10-0816.	1810-01	2440-01	7458-03	6170-03	.8327-03	1,4610	t . 668	543.0
1,0000	; ;	1.0000	.65000	14.000	.2450-01	.2040-01	.2753-01	.8413-03	.6959-03	.9393-03	.5200	5.264	543.3
1,0000 .75000 16.000 .7000-02 .5800-02 .2403-03 .1989-03 .2682-03 .1490 1.511 1.0000 .2600-02 .2403-02 .2403-03 .1989-03 .2682-03 .1490 1.511 1.0000 .2600-02 .21000 .2600-02 .2403-03 .4820-03 .2650-01 .5290 .223 .2200 .22000 .22000 .22000 .17.000	47	1.0000	.70000	15.000	.1340-01	11:10-01	10-0641.	.4569-03	. 3781-03	.5100-03	.2830	2.768	7.140
1,0000 .80000 17.000 .2600-02 .2100-02 .2900-02 .2.82-04 .7271-04 .9801-04 .5500-01 .5290 .2.0000 .28500 18.000 .1710-01 .1410-01 .1900-01 .5827-03 .4820-03 .6536-03 .3500 4.223 .2.0000 .33700 19.000 .1520-01 .1260-01 .1700-01 .5194-03 .4297-03 .5799-03 .3210 3.786 .2.0000 .33000 .2.0000 .33000 .0.230 .01 .2510-01 .1036-02 .8557-03 .1157-02 .6380 7.523 .2.000 .2.200 .2.200 .2.200 .1.2600 .1.2600 .1.2600 .1.2600 .2.200 .1.2600 .2.200 .1.2600 .1.2600 .1.2600 .2.200 .2.200 .2.200 .2.200 .1.2080 .1.2080 .1.2080 .2.200	4,	1.0000	.75000	16.000	.7000-02	.5800-02	50-0067.	.2403-03	1989-03	. 2682-03	1490	1.511	540.9
2.0000 .28500 18.000 .1710-01 .1410-01 .1900-01 .5827-03 .4820-03 .65%-03 .3600 4.223 .20000 .33700 19.000 .1520-01 .1260-01 .1700-01 .5194-03 .4297-03 .5799-03 .3210 3.786 .2.0000 .39000 20.000 .3030-01 .55%-01 .1900-01 .1036-02 .85%-03 .1157-02 .6380 7.523 .2.0000 .42600 21.000 .2330-01 .2800-01 .1036-02 .85%-03 .65%-03 .49500 5.800-01 .2800 .2800-01	47	1.0000	.80000	17.000	.2600-02	.2100-02	20-0062.	.6.782-04	.7271-04	40-1086 .	.5500-01	.5290	1.040
2.0000 .33700 19.000 .1520-01 .1260-01 .1700-01 .5194-03 .4297-03 .5799-03 .3210 3.786 2.0000 .39000 20.000 .3030-01 .5510-01 .3390-01 .1036-02 .8557-03 .1157-02 .6380 7.523 2.0000 .42600 21.000 .2350-01 .1940-01 .620-01 .8021-03 .6534-03 .9950 5.804	47	2.0000	.28500	18.000	1710-01	1410-01	1900-01	.5827-03	.4820-03	.65')6-03	.3600	4.223	543.2
2.0000 .39000 20.000 .3030-01 .2510-01 .3390-01 .1036-02 .8557-03 .1157-02 .65380 7.523 .2.0000 .42600 21.000 .2300-01 .1940-01 .6800-01 .8021-03 .6534-03 .6957-03 .4950 5.804	ť	2.0000	.33700	19.000	.1520-01	. 1260-01	1700-01	.5194-03	.4297-03	.5799-03	.3210	3.786	542.9
POBLE 1060 2350 1000 2350 1000 1000 1000 1000 1000 1000 1000 1	47	2.0000	39000	20.000	.3030-01	10-01K;	.3390-01	.1036-02	.8567-03	1157-02	.6380	7.523	B 110
	5	2.0000	.42600	21.000	.2350-01	10-0561	.2620-01	.8021-03	.6634-03	.8957-03	9264.	5.80¢	D. 63.0

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DATE 07 OCT	7 OCT 75		OH-74 (AED	04-74 (AEDC V418-88A)		HEATING DATA ON ORBITER FUSELAGE PORT SIDE	BITER FUSEI	AGE PORT S	310€			PAGE 176
				OH-74 (AE	OC V418-88	OH-74 (AEDC V418-88A) BG2CIZF10M16W1Z7E5ZVBR19	10M16W127E	S2V8R19				(RVB002)
35	TRACE	X/L	1/C NO	HVHREF	H/HREF	H/HREF	H(910)	НСТО)	HCTAP	1000	DTMDT	7
NUMBER				R=0.9	R=1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. A	DEG. R
							FT2SEC	FT2SEC	r T2SEC	FT2SEC	/SEC	1
L*1	2.0000	53000	23.000	. 2690-01	.2230-01	3010-01	.9195-03	.7504-03	.1027-02	.5670	6.312	544.6
47	2.0000	.56700	000 · 3	1800-01	10-06-11	2010-01	.6164-03	. 001c.	50-1883.	0386	D 0	7.70
C .	2.5.000	.62000	29.50 30.50	1320-01	10-0601.	10-0/41	63-9064.	. 5769-03	.5063-03	08/2	3.038	F 0 0 1 1 1
47	2.3000	.67000		20-0087	-00-05-	20-00/A.	50-0503.	50-1512.	20-7062	0.501.	7,707	0.029
} :	2.0000	70500	27.900	20-00-00	20-0084.	50-00ca.	50-7/61.	50-27-03	20-022-02	1630	1.304 RESO	0.055
7	2.0000	00000	9.00	2000-05	20-00-1 1800-0-1	40-0046	7350-04	. 5087-04	8201-04	10-0016	5050	9.62G
; ;	0000	00000	30.02	1200-02	1000-02	1300-02	19121-04	- 19-18-	#D-665#	.2600-01	.3570	539.9
; ;	3.0000	20000	31.000	.3380-01	.2790-01	.3780-01	.1155-02	.9538-03	1291-02	.7060	7.466	6.645
7	3.0000	.22500	32.000	.2900-01	.2400-01	.3250-01	.9920-03	.8194-03	.1109-02	.6080	6.787	5.8.5
47	3.0000	.25000	33.000	.2200-01	.1820-01	.2450-01	.7524-03	.6220-03	.8406~03	.4630	5.176	546.0
47	3.0000	.27500	000.€	10-0121.	1410-01	1910-01	. 5837-03	.4828-03	.6519-03	.3600	4.313	544.0
Ç	3.0000	.30000	35.000	. 1460-01	. 1210-01	. 1630-01	.4982-03	.4121-03	.5562-03	.3080	3.812	543.1
47	3.0000	.32500	36,000	10-0602.	.1730-01	.2330-01	.7122-03	.5892-03	. 7953-03	0044	5.161	543.2
47	3.0000	.35000	37.000	.3300-01	.2730-01	.3690-01	. 1128-02	.9331-03	-1260-02	.6960	B .071	4.440
47	3.0000	.37500	38.000	.3430-01	.2830-01	.3830-01	20-0211.	.9676-03	. 1307-02	.7210	0.4.4.0 0.4.4.0	5+4·0
47	3.0000	40000	39.000	.2090-01	. 1730-01	. 2330-01	.7131-03	.5906-03	.7961-03	0144.	5.204	4.040
47	3.0000	.42500	40.000	.3470-01	.2870-01	.3880-01	.1185-02	.9799-03	. 1324-02	.7300	8.645	545.3
47	3.0000	¥5000	41.000	.2570-01	.2120-01	.2870-01	.8768-03	. 7253-03	.9791-03	.5420	6.190	543.3
47	3.0000	.47500	42.000	.2190-01	.1810-01	10-0+52.	.7.465-03	.6176-03	.8335-03	.4610	3. Ltt	542.8
Ç*	3.0000	.50000	43.000	.1650-01	. 1530-01	.2060-01	.6313-03	.5224-03	.7048-03	.3910	4.355	542.3
5	3.0000	.52500	44.000	10-0911	- 3600-02	1300-01	. 3963-03	. 3281 -03	.4423-03	.2460	2.887	9.040
۲۲,	3.0000	.55000	45.000	.9700-02	-80008	. 1080-01	.3316-03	.2745-03	3700-03	.2060	2.297	5.040.3
£	3.0000	.60000	46.000	.6600-02	.5400-02	.7300-02	. 2238-03	. 1853-03	.2497-63	. 1380	3.515	539.5
47	3.0000	.65000	47.000	-4006-05	20-0014	.5500-02	684-03	1395-03	. 1879-03	.1050	1.1.3	539.4
47	3.0000	. 70000	48.00¢	50-00 -2	.2000-02	.2700-02	.8355-04	.6921-04	.9321-04	.5200-01	.5750	538.6
47	3.0000	.75000	49.000	.1300-02	. 1000-02	. 1400-02	* 324-04	.3582-04	. 4824-04	.2700-01	. 2930	538.5
4,	3.0000	.80000	50.000	-5000-05	.1709-02	.2200-02	.6861-04	.5682-04	. 7655-04	.4300-01	DAC+.	200
47	3.0000	.85000	51.000	-1400-05	.1100-02	. 1500-02	.4616-04	. 3821-04	.5152-04	.2900-01	0555	,
47	3.0000	.87509	52.000	1800-05	. 1500-02	-20002	. 6205a-04	. 5136-04	-0-C269.	10-00R5	0//+:	1.1.6
6	3.0000	.96000	53.000	50-0005.	1700-02	2300-02	.6902-04	-0-21/5	*0-*0//.	10-0004	0065	0.14g
47	3.0000	. 92500	7.00d	-1900-UZ	- 1500-UZ	-0012.	+0-B0C0-	10 . Dec.	*0-cos.	0000	0000	1 0
47	3.0000	000056	22.000	. 1500-02	300-05	1 /00-02	40-481C	FO-1524.	*0-08/ G.	. 30000	200	0.010
47	4.0000	.20000	71.000	.3640-01	3000-01	10-0104	. 1646-08	1064-06	20-5841.	0007	7 017	0.000
47	4.0000	.22200	72.000	10-0862	10-0/52	. 3550-01	.9566-03	50-0119.	20-0E-0	0000		
L* .	.0000	22000	73.000	.2210-01	1830-01	10-07-09	50-1557	7230-03	.8438-03	.4030	757.8	547.7
£ 1	4.0000	006/2	. dog	10-000-	10-0012	10-0005	NO -5000.	7505.03	60-660	5650	100	F. 17
1.1	4.0000	30000	25,030	10-0805.	7020-01	10-0001	50-03.6.	1020-03	1305-05	7660	60.01	, t
÷ :	4.0000	0002	000.75	10-0006.	. 5050-01	00000	20-26-30	7070-05	20 OEC 1 .	0119	7 096	M.S. 1
1	4.0000	00005.	38.000 38.000	19-5/67	10-0615.	יטיטפייני	50-00-1C	10-0-21-03	50-22-03	1570		C 43.0
4.7	* . 0000	37500	39,000	10-0/12	10-06/17	0-03-0	50-8047	50-7310.	.00.130.	0,00	יי ה ה ה ה	9 649
47	4.0000	40000	60.000	10-04-1	10-0551	10-0-61	50-45EC.	4000 COOK	50-5350	0/00.	9.00	0.11
47	4·0000	200 200 200	61.000	. 1050-01	. 68 00-02	10-0811.	. 300-103	. 3000-03	1010101	0000	D. W.	ğ.,

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DATE 0	DATE 07 OCT 75		OH-74 (AEDC	0H-74 (AEDC V41B-BBA) HEATING DATA ON ORBITER FUSELAGE PORT	HEATING (DATA ON OR	BITER FUSEI		SIDE			PAGE	Ë
				OH-7% (AE	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	v B62C12F	10M16W127E	52VBR19				(RVB002)	002)
8	IRA.E	X/L	1/C NO	H/HREF	H/HREF	H/HREF	н(910)	H(10)	H(TAH)	1000	TOMTO	ī	
NAMER		1		R=0.9	R=1.0	R=TAW	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	0EG.	œ
							FT2SEC	FT2SEC	FT2SEC	FTZSEC	/SEC		
47	4.0000	.45000	62.000	.7200-02	.6000-02	.8000-02	.2457-03	.2034-03	.2742-03	.1530	1.980	540.1	
4	4.0000	.47500	63.000	.6000-32	20-0064	.6500-02	.2034-03	. 1664-03	. 2269-03	.1260	1.611	539.9	
4	4,1300	.50000	64.000	500-05h.	.3800-02	.5100-02	.1550-03	. 1284-03	.1730-03	.9600-01	1.196	539.5	
7+	4.3000	52500	65.000	.4300-0S	.3500-02	.4B00-02	.1455-03	. 1205-03	.1623-03	.9000-01	1.:23	539.1	
47	4.0000	55000	66.000	.3800-02	.3100-02	50-002h.	.1295-03	.1073-03	.1445-03	.8100-01	.9470	539.1	
4	4.0000	.60000	67.000	.2200-02	.1800-02	.2500-02	.7527-04	.6235-04	.8396-0 4	10-0074.	.5290	538.4	
4,	4.0000	.65000	69.000	.8600-03	.6000-03	.9000-03	.2664-04	.2206-04	.2971-04	.1700-01	.1950	538.3	
ţ	4.0000	.70000	69.000	.8000-03	.7000-03	.9000-03	.2683-0'1	. 2222-04	.2993-04	1700-01	. 1860	539.0	
47	۴.0000	.75000	70.000	.1100-02	.9000-03	. 1200-02	.3721-04	.3082-04	+151-04	.2300-01	. 2580	539.1	
74	4.0000	.80000	75.000	.6000-03	.5000-03	.7000-63	.2192-04	.1815-04	·2447-04	1400-01	.1640	540.3	
47	4.0000	.87500	77.000	.7000-03	.6000-03	.8000-03	40-4142.	.1998-04	.2694-04	.1500-01	01910	540.4	
4.7	4.0000	00006	78.000	.7000-03	.6000-03	.8000-03	.2526-04	.20 9 1-04	+0-6;8 2 .	1600-01	.2030	540.8	
47	4.0000	.92500	79.000	1300-02	.1100-02	.1400-02	.4381-04	.3627-04	+0-0 6 84.	.2700-01	.3370	540.8	
47	4.0000	.95000	80.000	-1100-02	.9000-03	. 1230-02	.3795-04	.3140-04	49-9854.	.0000	.0000	583.3	

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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

				M-7-H0	OH-74 (AEDC V418-98A) BG2CI2F10M16W127E52V8R19	A) BEZCIZE	TSIMBINO!	55V8R19				(RVB002)
ORBITEF	ORBITER FUSE, AGE							PARAI	PARAMETRIC DATA	<		
					BETA	1.900	МАСН	8.000	ELEVON .	.0000	RUDDER .	0000.
					531	***TEST CONDITIONS***	WS					
RUN NUMBER	MACH	ALPHA DEG.	& <u>₹</u>	70 DEG. R	PH 066	7AH DEG.	↑ DEG. R	a S	PSIA	V FT/SEC	RHO SLUGS	HU LB-SEC
6	7.960	39.91	417.4	1290.	4.471	1.000	93.90	.4300-01	1.937	3789.	/FT3 .3882-04	/FT2 .7561-07
RUN	RN/L X10 6	HAEF BTU/ R	STN NO									
69	/FT 1.946	FT25EC	.0175 .2903-01									
					•	***TEST DATA***	:		1			
S.	TRACE	х/г	1/C NO	H/HREF	H/HREF	H/HREF	н(910)	H(10)	HCTAM	000	DTWDT	3
NUMBER				R=0.9	R*1.0	R-TAM	8TU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
9	-	00		0			FTZSEC	FT2SEC	FT2SEC	FT2SEC	/SEC	i
9 03	0000.	20000	0000.	10-0861	10-0/61.	10-0091	50-696.	- 4688-US	50-1550.	0005.	3.622	5.4. u
. .	1.0000	. 32500	3.000	12-0-21.	10-0501.	14-00-11.	.4351-03	.3600-03	4858-03	0693.	2,765	0.44.0 0.49.0
6	1.0000	.35000	4.0000	10-6-21.	10-0441.	10-0461.	.5944-03	.4917-03	.6635-03	.3670	3.807	543.0
8	1.0000	.37500	5.0000	10-0061.	1570-01	.2120-01	.6480-03	.5360-03	. 7235-03	0004.	4.205	543.6
g 9	0000	00004	6.0000	.2040-01	10-0891	.2270-01	.6948-03	5748-03	.7758-03	.4290	O	543.1
0 C	0000	מטניין.	00000	10-0-11.	10-0441	10-0461.	1000-03	.4918-03	. 6538-03	.3670	3.807	543.3
9 00	0000.1	.47500	9.000	10-0245	2010-01	2710-01	. R277-03	50-5-50.	9543-0.	00.00	5 .00 5 .00	7 tr. 0
00	1.0000	.50003	10.000	.2380-01	19-02-61	.2660-01	.8139-03	.6733-03	.9088-03	.5030	5.09	543.2
9	1.0000	.52500	11.000	.3170-06	.2620-01	.3540-01	. 1083-02	.8959-03	.1210-02	.5680	6.764	544.3
6	1.0000	.55000	12.000	.2810-01	.2330-01	.3140-0!	.9608-03	.7948-03	.1073-02	. 5930	5.954	543.6
æ	1.0000	.60000	13.000	.2550-01	.2110-01	.2860-01	.8729-03	.7219-03	.9748-03	.5380	5.451	544.3
₽	1 . 0000	.65000	14.000	1540-01	. 1270-01	.1723-01	.5258-03	.4351-03	.5871-03	. 3250	3.294	542.8
ę,	1.0000	. 70000	15.000	50-006	. 3900-02	.5200-02	.1600-03	. 1324-03	.1786-03	.9900-01	.9700	541.4
0	1.0000	. 75000	16.000	.4030-03	.4000-03	.5000-03	1462-04	.1211-04	.1632-04	-90006.	.9200-01	5.046
9	1.0000	.80000	17.000	. 1300-02	.1100-02	.1500-02	40-5644.	.3702-04	40-1664.	.2800-01	. 2690	540.7
œ 3	2.0000	.28500	18.000	. 1630-01	1340-01	. 1820-01	.5547-03	.4586-03	.6136-03	.3420	4.003	545.2
8	2.0000	.33700	19.000	.2100-01	.1740-01	.2350-01	.7175-03	.5933-03	.8013-03	.4450	5.211	544.7
£9	2.0000	39000	20.000	.2270-01	. 1880-01	.2540-01	.7758-03	.6415-03	.8664-03	.4780	5.638	544.3
\$	€.0000	. 42500	21.000	.3770-01	.3110-01	۰۴-015	. 1285-02	. 1062-02	.1436-02	. 7900	9.250	546.4
8 9	2.0000	.47800	22,000	10-025	0-00-6		-	1				

OH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE

DATE 07 OCT 75

DATE 37	37 DCT 75		OH-74 (AEDC V418-BBA	. V418-BBA	HEATING D	ATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT	AGE PORT S	S10£			PAGE 179
				OH-74 (AE)	OH-74 (AEDC V418-88A) BG2C12F1OM16W127E52VBR19	J BESCIEF	OM164127ES	2v8R19				(RVB002)
ACHBER MCHBER	TRA E	Х/L	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R=TAH	H(910) BTU/ R	H(TO) BTU/ R	HITAH) BTU/ R	900 81U/	OTIOT OEG. R	7K DEG. R
7	2.0000	93000	23.000	.2260-01	. 1878-01	.2530-01	.7720-03	.6404-03	.8621-03	.4760	5.302	944.3
;	2.0000	98700	¥.000	1480-01	1230-01	.1650-01	. 5054-03	.4181-03	.5643-03	.3120	3,398	542.7
3	2.1300	.62000	25.000	-9400-05	.7800-02	.1050-01	. 3224-03	. 2668-03	.3598-03	.2000	2.174	541.2
9	€. J000	.67000	26.000	-4100-02	3400-05	-4600-02	. 1394-03	.1154-03	.1558-03	10-0048.	. 9 420	540.5
3	€.0000	.70500	27.000	. 1500 -02	. 1300-02	. 1800-02	.5487-04	+0-++S+.	.6123-04	3+00-01	.3680	539.6
8	2.0000	.75000	28.000	.2300-02	. 1900-02	.2500-02	.7692-04	.6369-04	.8583-04	10-0084	. 5260	539.7
9	2.0000	.60000	29.000	. 1900-02	. 1600-02	-2100-05	.6524-04	.5402-04	.7280-04	10-0014.	0844.	539.9
\$	2.0000	.82400	30.000	.8000-03	. 7000-03	.9000-03	.2839-04	.2350-04	.3169-04	10-0081	ر اور ا	539.9
9	3.0000	.20000	31.000	3440-01	2840-01	.3850-01	-1176-02	.9707-03	1315-02	.7180	7.589	550.6
9	3.0000	.22500	75.000 17.000	10-008-	2+00-01	3250-01	.9920-03	.0184-03	.1108-02	.6060	6.758	340.4 E. 1.3
9	3.0000	25000	33.000	.2160-01	1780-01	10-01-2	.7372-03	.6092-C	.8238-03	7550	60.0	
9	3.0000 3.0000	27500	Jr. 000	1720-01	. 1420-01	1920-01	.5855-03		.6541-03	3810		M. 0.40
9	3.0000	30000	32.000	. 1560-01	1370-01	10-0981	.56/3-03	50-1694.	50-0550.	0000	4.368	r ()
\$	3.0000	32-500	36.000	.2830-01	10-0452.	.3160-01	.9661-03	. 7986-03	20-2-01	0.50		מים מים מים
y	3.0000	. 35000	37.000	3180-01	. 2630-01	10-0565	. 1086-02	. 8975-03	1615-06	0/99.	C. / . /	0.00 E
©	2,000	. 37500	38.000	.2570-01	1960-01	10-0497	50-1-708.	50-7799.	. SO18-03	0009	7.067	7 111
9	3.0000	0000h.	39.000	. 2850-01	.2350-01	10-0815	.9724-03	. Mark-03	50-09n:	0000	7.007	F 10
9	3.0000	. *Sec	40.000	13-0652	10-0/-2	10-0456	1061-06	50-85+B.	20-0411.	050	619	n u n n
œ F	₹.0000	.45000	61.000	.2310-01	10-0161	10-0BC	. 7836-03	.6531-03	50-/188.	0/84	0.070	943.0
0	3.0000	.47500	42.0c0	.2180-0.	10-0161	10-0-4-7	. 7453-03	50-5919.	. 45ee-03	3004.	3.676	10.01
∞	3.0000	.50000	43.000	15-0-01	1280-01	10-02/1	.56/6-03	1306-0	CO-OBBC.	0000	5.000 c	0.01
0	3.0000	. 52500	14.000	50-0026	. 7600-02	. 1030-01	.3154-03	.2511-03	. 3540-03	065.	/ K. 6	340.8
\$	3.0000	. 55000	£5.000	.7800-02	50-05-05	-00-05-	.2563-03	. 6604-03	2010100	0001.		7.078
9	3.0000	.60030	45.000	50-0056.	20-0044	50-0366	. 1803-03	50-56-1.	50-3175	5.00mg	4.660 8760	י פגע
90 9 37 3	3.000d	00000	000.72	-0000-0051	50-0015.	1700-02	5255-04	10-19-1-15-1-15-1-15-1-15-1-15-1-15-1-15	5874-04	3300-01	3620	538.9
9 9	3.0000 8.0000	75000	49.000	1900-02	. 1600-02	.2200-02	.0-4499·	.5502-04	7413-04	.4100-01	.4500	539.4
9	3.0000	06008	50.000	50-00-5.	1900-05	.2600-02	.8028-04	.6647-04	*0-6568 .	10-0005.	.5350	540.1
3	3.0000	.85000	51.000	.1400-32	. 1200-02	.1600-02	+0-1774.	.3949-04	.5325-04	.3000-01	.3670	541.1
9	3.0000	.87501	52.000	.1500-02	. 1200-02	. 1700-02	-5124-04	*0-1 *Z*.	.5719-04	. 3200-01	.3940	-: -
œ	3.0000	.90000	53.000	50-0011.	. 1400-02	. 1900-02	.5683-04	40-404	.6344-04	.3500-01	0164.	s: <u>-</u>
9	3.0000	.92500	000 ·	S0-0075.	. 2200-05	.3000-52	.9139-04	.7563-04	.1020-03	.5700-01	. 7423	942.0
9	3.0000	.95000	35.000	50-00th.	.3900-02	.5300-02	. 1613-03	. 1335-03	. 1801-03	.1000+00	1.013	7.1.7
9	4.0000	.20000	71.000	3440-01	. 2840-01	.3840-01	.1173-02	.9677-03	.1312-02	.7130	8.113	552.9
9	4.0000	.22500	72.000	.2790-01	.2310-01	.3130-01	.9540-03	.7876-03	.1067-02	.5820	6.807	550.5
8	4.0000	.25000	73.000	10-0455	.2100-01	.2840-01	.8669-03	.7161-03	.9690-03	.5310	6.209	548.7
Đ	* . 0000	.27500	7.000 1.000	10-0682	.2310-01	.3130-01	.9548-03	. 7866-03	. 1067-02	.5850	7.218	548.8
9	۴.0000	30000	26 .000	.3050-01	. 2520-01	. 3410-01	1041-02	.8600-03	.1153-02	.6390	8.355	3.73.6
8	• . 0000	.32500	57.000	.2950-01	. 2440-03	.3300-01	.1007-0₹	. 8324-03	.1125-02	.6190	9.034	9.46.9
ğ	\$.0000	35000	58.000	10-0E-Z.	. 2000-01	.2710-01	.8279-03	.6843-03	.9249-03	.5090	5.663	5.6.2
9	*. 0000	37500	59.000	.2310-01	1910-01	.2590-01	. 7902-03	.6534-03	.8826-03	0.4870	5.377	5. d. d. d. d. d. d. d. d. d. d. d. d. d.
ş	. 0000	,40000	60.000	1420-01	1170-01	1580-01	-2484.	-4004-03	50-00+0.	0663.	5 5 5 C	3.5.E
9	* . 0000	. 42500	61.000	20-0016.	7200-05	10-0101	.3104-0.4	50-80CJ.	. 3404-03		C)C.)	7.76

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DATE 07 OCT	7 OCT 75		OH-7% (AEDC V4)B-88A)	V418-88A)		ATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT		SIDE			PAGE 180
				0H-74 (AED	DH-74 (AEDC Y418-88A) BG2C12F10M1GH127E5ZYBR19) B62C12F1	IOMI GHI 27E!	52VBR19				(RVB002)
2	TRACE	X/L	1/C NO	H/HBEF	H/HREF	H/HREF	H(910)	H(10)	H(TAH)	1000	DTMDT	2
NUMBER	!	•		R=0.9	R-1.0	R-TAM	81U/ A	81U/ R	BTU/ R	B TU/	DEG. R	DE0. R
							FTZSEC	FT2SEC	FT2SEC	FTZSEC	335/	
9	\$.0000	. *5000	62 .000	:0-00 -9 :	5300-05	.7100-02	.2176-03	. 1902-03	.2429-03	. 1350	527.	0.010
9	.0000	.47500	63.000	5100-05	-4200-02	.5700-02	.1746-03	. 1446-03	. 1948-03	. 1080	1.383	539.9
ş	4.5.300	20000	. 000 . 1	-4600-02	.3800-02	5100-05	. 1557-03	. 1289-03	. 1737-03	10-0046.	1.201	539.2
ğ	4. 3000	32500	65.000	3~00-05	.2800-02	.3800-02	.1167-03	·9663-0v	.1302-03	.7300-01	.9000	539.4
9	. 0000	55000	66.000	.3000-05	. 2500-02	.3300-02	. 1011-03	.8373-04	. 1128-03	.6300-01	.7390	539.1
9	0000	.60000	67.000	- 1000-05	.8000-03	. 1100-02	- 3428-04	.2839-04	. 3824-04	.2190-01	0149.	538.2
9	0000	.65000	68.000	. 9000-03	.7000-03	.1000-02	.3026-04	-50G-O+	.3375-04	. 1900-01	.2210	538.6
9	4.0000	70000	69.000	. 1200-32	. 1000-02	. 1300-02	*035-04	3341-04	. 4502-04	10-0052	.2800	539.9
9	4.0000	75000	70.000	.1200-02	. 1000-02	. 1300-02	40-610 4 .	.3328-04	*0-+8**	.2500-01	.2790	539.7
9	• 0000	. 80000	75.000	.1100-02	£0-0006.	. 1200-02	.3593-04	40-4662	40-0104.	.2200-01	. 2690	5+0.8
9	4.0000	.85000	76.030	. 1200-02	-1000-02	.1300-02	.4041-04	.3347-04	+0-60S+·	.2500-01	06€ >.	539.1
(C)	4.0000	.67500	77.000	.6300-03	.5000-03	.7000-03	.2135-04	. 1768-04	.2383-04	1300-01	.1740	540.5
ĝ	0000	00000	78.000	.1200-02	-1000-02	-1400-02	.4130-0t	34-10-G	40-0194 .	.2600-01	.3320	-: -
9	. 0000	.92500	79.000	500-05	.2200-02	.2900-02	.8924-04	.7386-04	.9961-04	.5500-01	.6850	541.5
9	\$.000	.95000	80.000	-0014.	3400-05	.4500-02	. 1385-03	.1146-03	. 1546-03	.8600-01	1.0¢6	5+1.8

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### HACH ALPHA PO HUFBER X10 6 BTU/R Re HUM FRV/L HFEFF STN NO NUMBER X10 6 BTU/R Re HUM TRACE X/L T/C NO HUMBER X10 6 BTU/R Re HUM TRACE X/L T/C NO HUMBER X10 0000 -27500 1.0000 HUMBER X1000 -27500 1.0000 HUMBER X1000 -37500 6.0000 HUMBER X1000 -37500 6.0000 HUMBER X1000 -37500 1.0000 HUMBER X1000 -37500 1.0000 HUMBER X1000 -37500 11.0000	70 DEG. R 1290.	9£1A ••••£57 ••••! 0£6.	BETA - 1.000 H	MACH T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	* 8.000 PS1A PS1A400-01	.000 ELEVON = .000 ELEVON = .00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000 V FT/SEC 3789.	RHD SLUGS /FT3	.0000 H LB-SEC /FT2 .7561-07
T.980 44.21 7.980 44.21 RW/L HWEF RW/L HWEF 1.952 3419-01 1.0000 27500 1.0000 35000 1.0000 37500 1.0000 37500 1.0000 37500 1.0000 50000 1.0000 60000	œ	9£1A •••1£51 PHI 0£6. 176.0	- 1.000 r condition yan beg. 1.000	PACH T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	~ -	ELEVON O	<u>د</u> چ	RHD SLUGS /FT3	.0800 M M 1672 7772 77561-07
TACH ALPHA DEG. 7.980	œ	PHI 000.0	YAM DEG. 1.000		P S I A 4.00-0.1	0 4.5 E	V FT/SEC 3789 .	RHD SLUGS /FT3 .3894-04	MU 1675 7761-0"
T.900 44.21 48EF RW/L FT29CC 11.952 3419-01 1.0000 1.0000 27500 11.0000 35000 11.0000 375000 11.0000 375000 11.00000 375000 11.0000 375000 11.0000 375000 11.0000 375000 11.0000 375000 11.0000 375000 11.0000 375000 11.0000 375000 11.0000 37500	œ		YAM DEG. 1.000	3.90 ± 3.90	9 A 120 -00++.	S S S S S S S S S S S S S S S S S S S	V FT/SEC 3789.	RHD SLUGS /FT3 .385+-04	MU 1.8-5EC 7F72- 7.7561-0
T.980 WW.21 WW.21 KIU 6 BTU/ R XIU 6 BTU/ R	e c		DEG. 1.000	3.90	PS1A	4. 2. 3. 1. 2. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.	5789.	%7-¥-6% 3884-6%	7.7561 -0"
FAV. HAREF R XIO 6 61U/R R XIO 6 61U/R 1.0000 27500 1.0000 30000 1.0000 35500 1.00000 35500 1.00000 35500 1.00000 35500 1.00000 35500 1.00000 35500 1.00000 355			1.000 (EST DATA**		10-00 10-00	 		.3854-04	77561 -0",7561 -0"
RW/L HWEF RW/L HWEF R X10 6 61U/R R X10 6 61U/R R Y125C 1.952 3419-01 TRACE X/L 32500 1.0000 30000 2.3500 1.0000 35000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0500 1.00000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.000000 1.00			1.000 EST DATA**	93.90	10-0044	- g	3789.	385±+0.	-198/
TRACE STU/R /FT FT2SEC 1.952 3419-01 . 1.0000 27500 1 1.0000 325000 1 1.0000 32500 1 1.0000 32		•	EST DATA**						
TRACE X/L 1. 952 3419-01 . 1. 0000 27500 1 1. 0000 35500 1 1. 0000 35500 1 1. 0000 37500 1 1. 0000 37500 1 1. 0000 3750		•	EST DATA**	56					
TRACE X/L 1.0000		•	EST DATA**						
TRACE X/L 1.0000		•	rest data	•					
1.0000 . 27500 1 1.0000 . 37500 2 1.0000 . 35000 2 1.0000 . 35000 4 1.0000 . 37500 5 1.0000 . 45500 6 1.0000 . 45500 6 1.0000 . 45500 6 1.0000 . 55000 1 1.0000 . 55000 1 1.0000 . 55000 1 1.0000 . 55000 1 1.0000 . 55000 1 1.0000 . 55000 1 1.0000 . 65000 1 1.0000 . 65000 1 1.0000 . 65000 1 1.0000 . 65000 1		•	EST DATA						
1.0000 .27500 1 1.0000 .30000 .2 1.0000 .30000 .2 1.0000 .32500 .3 1.0000 .32500 .4 1.0000 .42500 .4 1.0000 .42500 .9 1.0000 .42500 .9 1.0000 .42500 .9 1.0000 .50000 .9 1.0000 .55000 .9 1.0000 .55000 .9 1.0000 .55000 .9 1.0000 .55000 .9 1.0000 .55000 .9 1.0000 .55000 .9 1.0000 .55000 .9 1.0000 .50000 .9 1.0000 .50000 .9 1.0000 .50000 .9 1.0000 .50000 .9 1.0000 .90000 .9 1.0000 .90000 .9				101017					
27500 1 0000 30000 1 0000 32500 1 0000 37500 1 0000 4 0000 1 0000 4 0000 1 0000 4 0000 1 0000 4 0000 1 0000 6500 1 0000 6500 1 0000 6500 1 0000 6500 1 0000 7 0000 1 0000 7 0000	H/HREF	H/HREF	H/HREF	,	H 70	HCTAN	1000	DTMDT	¥
1.0000 .27500 1.0000 .30000 1.0000 .35000 1.0000 .40000 1.0000 .45000 1.0000 .45500 1.0000 .45500 1.0000 .50000 1.0000 .50000 1.0000 .55000 1.0000 .55000 1.0000 .55000	R=0.9	8-1.0	R-TAM	atu, ¿	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
1.0000 30000 1.0000 30000 1.0000 3500 1.0000 3500 1.0000 40000 1.0000 40000 1.0000 4750 1.0000 5000 1.0000 5000 1.0000 5000 1.0000 6500 1.0000 1.0000 1.0000 7500 1.0000 1.0000 1.0000 1.0000				FTZSEC	FT2SEC	FT2SEC	FT2SEC	/SEC	
1,0000 32500 1,0000 35000 1,0000 40000 1,0000 42000 1,0000 42500 1,0000 42500 1,0000 5000 1,0000 55000 1,0000 65000 1,0000 75000 1,0000 75000	.1530-01	1270-01	1710-01	.5241-03	4335-03	.5853-03	.3240	3.353	543.7
1.0000 35500 1.0000 35000 1.0000 40000 1.0000 45000 1.0000 45500 1.0000 50000 1.0000 55000 1.0000 55000 1.0000 55000 1.0000 75000 1.0000 75000	10-01-1	.1160-01	1570-01	.4810-03	.3973-03	.5371-03	. 2970	3.152	543.4
1.0000 35000 1.0000 40000 1.0000 42500 1.0000 42500 1.0000 50000 1.0000 50000 1.0000 55000 1.0000 55000 1.0000 75000 1.0000 75000	10-0051	10-0-21.	10-0891	.5130-03	.4244-03	.5727-03	.3170	3.257	9. v. v.
1,0000 1,0000	10-0022	16-0291	.2460-0I	. 7535-03	.6233-03	.8414-03	.4650	4.825	0.44 0.44 0.44
1,0000 4,0000 1,0000 4,500 1,0000 4,500 1,0000 5,000 1,0000 5,500 1,0000 6,000 1,0000 75,000 1,0000 75,000	.2010-01	.1670-01	.2250-01	.6883-03	.5693-03	.7687-03	4250	4.463	
1,0000 1,42500 1,0000 1,0000 1,42500 1,0000 1,42500 1,0000 1,2000 1,2000 1,2000 1,0000 1,0000 1,2000	1820-01	.1510-01	.2040-01	.6238-03	.5160-03	.6966-03	. 3850 000	5.50	מייים מייים
1.0000 . 45000 1.0000 . 47500 1.0000 . 55000 1.0000 . 55000 1.0000 . 65000 1.0000 . 70000 1.0000 . 75000	.2350-01	1950-01	10-0:92	.8047-03	50-ccaa.	50- 08 9.	0054.	ט.ולני	7 4 4 5
1.0000 .55000 1.0000 .55000 1.0000 .55000 1.0000 .65000 1.0000 .75000 1.0000 .75000	.2960-01	.2440-01	.3300-01	. 1010-02	.8355-03	70-05-05	. 5250	0.701 1.03	2 6 7 7
1,0000	10-0502	10-00/1	10-0122	60-5101	50-577B	-171	0559	6.323	F. 4.3
1.0000 . 55000 1.0000 . 55000 1.0000 . 55000 1.0000 . 70000 1.0000 . 75000	1,50-01	27.70-01	3750-01	1147-02	9481-03	1281-02	.7060	7,150	9.44.0
1.0000 . 60000 1.0000 . 65000 1.0000 . 70000 1.0000 . 75000	10-033	2010-01	.2720-01	8325-03	.6887-03	.9296-03	.5140	5.161	543.4
1.0000 . 65000 1.0000 . 70000 1.0000 . 75000	2050-01	10-0691	.2290-01	.6998-03	.5788-03	.7814-03	.4320	4.373	543.9
00007. 0000.1 00007. 0000.1	.7200-02	-00009	S0-C008.	.2460-03	. 2036-03	.2746-03	1520	1.54	8. Z
1.0000 . 75000	. 1600-02	. 1300-02	.1800-02	.5559-04	.4602-04	.6204-04	3400-01	380 .	9±0.5
1.0000 . 80000	.2700-02	.2300-02	.3109-02	.9373-04	.7759-0 4	. 1046-03	.5800-01	.5900	540.8
	S-00-02	-5000-05	.e700-02	40-5410.	.6742-04	+0-0606	.5100-01	0064.	5+0.8
	1540-01	.1270-01	1720-01	5250-03	.4342-03	.5853-03	.3240	3.795	3.440
2.0000 .33700	10-02/2	.2250-01	.3040-01	.9305-03	. 7692-03	. 1039-02	.5730	6.745	545.6
2.0000 .39000	.2330-01	1930-01	.2610-01	.7978-03	.6596-03	.8910-03	0264.	5.799	D. F. W
49 2.0030 .42630 21.000	3640-01	.3010-01	10-0204.	. 1245-02	. 1029-02	. 1391-02	. 7653	B. 963	3. Que

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200 60 24.00	¥		0H-74 (AEDC	OH-74 1AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	HEATING DA	ATA ON ORB	TER FUSEL	AGE PORT S	306			PAGE 182
3	: }		,	OH-74 (AED	OH-74 (AEDC V418-88A) BGZCIZF (OMIGHIZ7ESZVBRI9	962C12F1(2416W127E5	2V8R19				(RVB002)
								•		1000	OTMO	ī
Z	TRACE	X/L	T/C NO	H/HREF	HIMMER	H/HREF	#(910)	9717. 8	BTU/ R	970	DEG. R	DEG. R
NUMBER				R*0.9	R=1.0	K-1 AH	FTSEC	F 125EC	FTZSEC	F12SEC	/SEC	
				0.0	10-0291	2060-01	6306-03	5-16-03	.7041-03	. 3900	4.341	4. E. S.
6	2.000u	.53000	23.000	10-00-1	1060-01	10-0571	.4398-03	.3639-03		.2720	2.959	346.3
6	2.0000	.56700	200.	5500-05	20-00AE	7300-02	.2232-03	. 1847-03		. 1 380	1.506	1.140
or ≯	2 r 300	.62000	3.000	40-005°	2000-05	20-0075	.8413-04	.69 68 -04	.9386-04	.5200-01	.5700	359.0
6	2. J000	.67000	9.00	50-0055	20-00-2	200-0082	.8608-04	.7130-04	40-409 6	.5400-01	.5780	3.58.8 3.05.8
ç	2.0000	00507	000.75	20-0052.	3200-05	4300-05	.1303-03	.1079-03	. 1454-03	.8100-01	0168.	559.5
\$	2.0000	75000	GG. 000	- 20 - DUBC	2300-02	.3100-02	.9467-0 ⁴	.7839-04	.1056-03	.5900-01	.6503	559.7
6	2.0000	00000	20.000	1000-02	.8000-03	-00-051	. 3286-04	.2721-04	.3666-04	.2030-01	. 2850	7.88.7
g (2.9000	00406	2000	3420-01	.2830-01	.3830-01	.1171-02	. 9666-L 3	.1309-02	.7150	7.353	550.E
m (5.0000 k	00000	32,000	.2740-01	10-0755.	.3070-01	.9379-03	.7748-03	50-8-01.	06/6.	אור מ	5,65.6
n q	0000	2000	33,000	.2210-01	. 1830-01	.2470-01	.7570-03	.6257-33	50-/C+0.	0504.	ו י ניי קיי	5,440
7 7	3.000 4.000	.27500	34.000	10-0771.	10-0941.	19-0161.	.6034-03	. 4990-03	50-E5/Q.	1960	5.271	C ++95
7 9		30000	35.000	.2020-01	10-0291	.2560-01	.6965-03	50-1110.	CO-11/1.	6810	7.981	545.9
9	3.0000	3250	30.000	. 3240-01	.2580-01	.3620-01	.1108-02	50-9505	1051-02	5850	6.785	545.2
. <u>.</u>	3.0000	.35000	000.7ء	.2780-01	.2300-01	.3100-01	.9306-03	50-550/.	9554-03	.5270	6.180	544.6
9	3.0000	.37500	38.000	.2500-01	10-0-02.	10-06/5	50-1550.	9645-03	1169-02	.6440	7.593	544.6
6	3.0000	40000	39.000	3060-01	.2530-01	10-0266	9365-03	7413-03	1001-05	.5520	6.542	9,440
4	3.6000	42500	40.000	.2620-01	12-0712.	2550-01	B126-03	.6722-03	.9074-03	. 5020	5.735	543.5
6,	3.0030	000S+.	41.330	.2380-D!	10-0/61.	10-0916	56-0-10.	5477-03	7391-03	0604	4.561	9,545
t)	3000 €	. ~7500	42.009	10-0-61	1600-01	10-000-	3954-03	.3272-03	£0-5155.	.2.50	2.731	5.1.7
6	3.0000	.50000	43.000	1150-01	30-0005	9501-02	2590-03	2144-03	.2891-03	.1610	1.887	0.03°
Đ,	3.0000	. 52500	000.44	.7500-0e	50-00cg.	7100-02	2162-03	1790-03	.2413-03	.1340	1.498	E 075
Đ,	3.0000	. 55000	45.000	20-0059	20-00-25	20-00-5	1343-03	.1112-03	.1499-63	.8330-01	.9090	539.7
9	3.0000	. 60000	16.000	20-0065	1500-02	2100-05	-0649°	5375-04	.7240-04	10-0001	4300	538.7
ð	3.0000	. 650. 3	47.000	20-0006	- 100gr	50-00-2	.67 8-04	.5565-04	7495-04	.4200-01	.4620	538.5
49	3.0000	70000	10 000 m	3600-02	3000-05	4000-05	. 1225-03	.1015-03	. 1367-03	7600-01	.8300	5.55.5 F 05.5
6	3.0000	90000	50.000	5700-02	.2200-0.	3000-05	40-6116	.7552-04	. 1018-03	10-6075	0606.	1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C
o	3.0000	90000	51.000	8000-03	.6000-03	.8000-63	.2589-0 4	40-E+12.	+0-6882·	10-0091	0557	0.75
n 9	3.0000	. B7507	52.000	.1700-02	.1+00-02	-1900-05	. 5681-04	40-50-4.	.034U-04	10-0055	7390	541.7
9	3.0000	60006	53.000	.2500-02	2100-05	.2800-02	-0-c9 c 8	1160-03	1577-03	.8709-01	1.147	5.0
o o	3 0000	00558.	54.000	-00 th.	3400-05	20-0094.	50-51413	50-6011.	. 1815-03	0101.	1.021	5-1.7
, and	3.0000	,9500ª	55.000	≥0-008×°	. 3900-02	20-0050	- 1050	9690-03	1313-02	.7140	8.117	552.8
6,	4,9900	. 2000	71.000	3430-01	10-0595.	10-0362	20-1-02	.8215-03	.1113-b2	.6070	7.098	559.6
Đ	4.0900	. 22500	72.000	0-0162	10-00-0	10-00:5	9487-03	.7835-03	. 1060-02	.5810	6.783	549.1
Đ,	4,0000	25000	73.000	10-0875.	10-05-0	10-09-62	.9912-03	.8187-03	50-8011.	.6070	7.483	10.00 10.00 10.00
6	0000	.27500	74.003	0-03-6	2850-01	3850-01	.1178-02	.9732-03	.13.6-02	. 72 20	734.0	D. 7.47
6 7	₹.0000	.30003	000.00	10-03/6	10-0865	10-0602	.9442-03	.7803-03	.1055-02	.5800	7.585	
5	4. ng00	32500	57.70	10-09:4:	10-0212	.2860-01	. 876'1-03	.7244-03	.9792-03	.5390	7.053	5,6,5
6*		35000	20.1.00	2250-61	1860-01	16.0155.	.7588-03	.6357-03	. 6586- 03	0+24.	6.210	ָהָילָהָיה הייליים הייליים
ę,	7.0000	37500	59.000	10-0021	53-0066.	1340-01	.4092-03	.3386-03	.4568-03	.2530	3.32	บ - น้ำ - น้ำ
6,	0000.4	00004.	90.00	7600-02	.6300-02	.6500-02	.2602-03	. £ , 54 - 03	.2904-03	. 1610	` II '	1.16
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DATE 0	DATE 07 OC" 75		OH-74 (AEDC 1 8-BBA) HEATING DATA ON ORBITER FUSELAGE PORT	1 · 18-84)	HEATING	DATA ON OR	BITER FUSE		SIDE			PAGE 163
				OH-7.4 (AE)	00 W18-⊾3	A) B62C12F	OH-7.1 (AEDC V418-LCA) BG2C12F10M16H127E52VBR19	52V8R19				(RVB002)
2	TRACE	X/1.	1/C NO	H/H'EF	H/HREF	H/HREF	н(910)	H(T0)	HCTAHI	1000	DTMOT	3
NUMBER				R=0.9	R=1.0	R-TAW	BTU/ R	BTU/ R	BTU/ R	910/	DEG. R	DEG. R
							FTZSEC	FT2SEC	FT2SEC	FIZSEC	/SEC	
6,	₹.9000	.45000	62.000	.5900-02	-4800-D2	.6600-02	.2008-03	.1567 93	. 2241-03	.1250	1.618	£40.3
63	۴.0000	.47500	63.000	.4500-02	.3700-02	.5000-02	.1540-03	.1275-03	.1718-63	10-0696	1.220	539.9
64	4. C300	.50000	64.000	.3600-02	.3000-02	50-000h.	.1223-03	.1013-03	.1365-03	.7600-01	.9430	539.4
9	۰, کا	.52500	65.000	.2400-02	.2000-02	.2700-02	.8242-04	.6825-04	.9196-04	.5100-01	.6360	539.3
₽	۴.0000	.55000	66.000	.2100-02	50-00/1.	5400-05	.7203-04	.5967-04	.8036-04	.4500-01	.5270	538.5
ф 6	₩.0000	.60000	67.000	.6000-03	.5000-03	.7000-03	.2028-04	.1680-04	.2252-04	1300-01	. 1430	538.0
61	٨٠.0000	.65000	68.000	.1200-02	-1000-02	.1300-02	.4021-04	.3330-04	+0-SB+4.	.2500-01	0462.	538.5
Đ,	₹.0000	.70000	69.000	.1500-02	.1300-02	.1700-02	.5280-04	.4372-04	.5891-04	.3300-01	.3660	539.7
ъ 6	4.0000	.75000	70.000	-5000-05	50-0042.	.3200-02	.9827-04	.8138-04	.1096-03	10-0019.	6820	539.4
Ð.	4 · 0000	.80000	75.000	.8000-03	.7000-03	.9000-03	.2838-04	.2350-04	.3167-04	1800-01	.2130	5,40.2
£	4.0000	.85000	76.000	50-0075.	.2200-02	.3000-02	.9185-04	.7507-04	.1025-03	.5700-01	.6780	539.2
6,	۰۰ ۵۰۵۵	.87500	77.000	.1100-02	.9000-03	.1300-02	.3865-04	.3200-04	.4313-04	.2400-01	.3150	5.0.3
£	4.0000	00006	78.000	. 1900-02	.1600-02	.2100-02	.6530-04	.5405-04	.7289-04	10-0004	.5250	541.1
64	4.0000	.92500	79.000	.5600-02	. 4600-02	.6200-02	. 1901-03	.1573-03	.2122-03	.1180	1.459	541.7
6	٠, 0000	.95000	80.000	.5000-02	-N100-05	.5600-02	.1710-03	.1415-03	.1909-03	. 1060	1.241	5,2.5

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				OH-74 (AE)C V*18-89/	OH-74 (AEDC V418-88A) 862C12F10H16H127E52V8R19	OM16W127ES	SZV8R19				(RVB002)
ORBITER	ORBITER FUSELAGE							PARAM	PARAMETRIC DATA			
					BETA	1.000	MACH	• B.000	ELEVON =	0000	RUDDER .	. 0000
					•••1ES1	***TEST CONDITIONS***	· · · S					
RCN	MACH	ALPHA	2	10	Ī	AAY 000		a 0	0 0	> 1	8 - 0 5 - 0	1. 18 CF.C
NUMBER		DEG.	¥ S	DEG. #	5			Ĕ	Č.		/FT3	/F T2
105	7.980	19.79	545.8	1311.	-174.3	1.000	95.40	.5700-01	2.533	3820.	+0-566+.	.768+-07
NO.	RN/L	HREF	STN NO									
NUMBER	X10 6	BTU/ R	å ;									
105	7FT 2.483	FT2SEC .3914-01	.2554-01									
					•	*** TEST DATA***	•					
8	4.40	1/ *	0N 0/1	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAH)	1000	DTWDT	3
a some		è))	8.0°0	R-1.0	R-TAW	BTU/ R	BTU/ R	BTU/ R	910,	DEG. R	DEG. R
MOTORY) ;			FT2SEC	FT2SEC	FT2SEC	FT2SEC	/SEC	
50:	0000	.27500	1.0000	1450-01	1200-01	.1623-01	.5669-03	.4695-03	.6325-03	.3580	3.707	547.7
501	0000	30000	€.0000	.1230-01	.1020-01	1370-01	.4820-03	. 1993-03	.5377-03	.3050	3.232	547.0
105	1.0000	.32500	3.0000	.1020-01	.8400-02	1140-01	.3988-03	.3305-03	£0-8444	.2530	2.593	546.1
105	1.0000	.35000	۴.0000	10-0001.	.8300-02	10-021.	. 3929-03	. 3255-03	20-2854	06.49	5.57 5.48 5.48	345.3 Aug 0
	1.0000	.37500	5.0000	50-0086 .	50-001A	10-0801.	50-5185.	204-03	40-18-18	050	3.022	546.0
105	1.0000	00004.	5.000g	10-0611	90-00-66	10-05-01	4326-03	3584-03	.4826-03	0775.	2.835	546.6
C 10.	0000	מספיני.	0000	1250-01	1040-01	1400-01	.4920-03	.4076-03	. 5486-03	.3120	3.179	546.7
	0000	17500	0000.6	1920-01	1590-01	.2140-01	.7518-03	.6227-03	.8388-03	.4750	4.828	547.5
	0000	5006	10.000	.1850-01	1530-01	.2060-01	.7234-03	. 5992-03	.8070-03	.4580	4.627	547.3
10.1 10.1	1,0000	.52500	11.000	. 1810-01	1500-01	.2020-01	.7093-03	.5876-03	.7913-03	0644.	4.537	547.3
207	1.0000	.5500	12.000	1790-01	10-06-1	. 1990-01	.6993-03	.5793-03	.7801-03	.443C	£,430	547.0
	1.0000	000009	13.000	.2160-01	1790-01	.2410-01	.8445-03	.6992-03	.9423-03	. 5330	5.384	548.8
	3000	.65000	14.000	.2810-01	.2330-01	10-0415.	.1100-02	.9103-03	. 1227-02	.6930	7.000	549.5
105	0000.1	.70000	15.000	.3750-01	.3100-01	.4180-01	.1466-02	.12!3-02	. 1636-02	.9220	8.980	550.8
50.5	1.9000	.75000	16.000	.5820-01	.4810-01	.6490-01	.2276-02	. 1882-02	.2542-02	1.426	14.38	553.3
105	1.0000	.80000	17.000	.5920-01	.4890-01	.6620-01	.2317-02	1914-02	. 2589-02	45. L	13.90	556.6
105	2.0000	.28500	18.000	.1320-01	10-0601.	1470-01	.5155-03	.4268-03	.57732-03	.3250	3.808	5.0
105	2.0000	.33700	19.000	1200-01	.9900-02	1330-01	.4683-03	. 3880-03	. 5225-03	.2960	3.488	547.1
105	2.0000	.39000	20.000	.1330-01	1100-01	10-0841.	. 5204-03	.4311-03	. 5805-03	.3290	3.877	5,6.9
50.	2000	0000	000	10-0481	10-052	1020201	EL 17-01	F171-03	7181-03	4070	1,763	347.6
		0000		2010	10-000	10-2501.					,	1

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DATE 07 001	7 001 75		0H-74 (AED)	0H-74 (AEDC V418-88A)		DATA ON OR	HEATING DATA ON ORBITER FUSELAGE PORT	AGE PORT S	SIDE			PAGE 185
				OH-74 (AE)	04-74 (AEDC V418-88A) 862C12F;0M16W127E52V8R19	A) B62C12F	OM164127E	52VBR19				(RVB002)
2	TRAIE	x/r	1/C NO	H/HREF	H/HREF	H/HREF	H(9T0)	H(10)	H(TAM)	1000	DIMOT	7
NUMBER				R=0.9	R=1.0	P-TAW	81U/ R	BTU/ R	8:U/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FTZSEC	FT2SEC	FT2SEC	/SEC	
105	2.0000	.53000	23.000	.2813-01	.2320-01	.3130-01	50-8601.	.9087-03	. 1226-02	.6910	7.673	550.5
201	2.0000	.56700	24.000	.3270-01	.2710-01	.3650-01	. 1280-02	.1059-02	.1429-02	. 8050	8.718	550.8
105	2000.2	. 52000	25.000	10-0425.	.4330-01	.5850-01	.2050-02	. 1695-02	50-0622.	1.283	13.87	554.1
105	. J000	.67000	26.000	10-0269	.5720-01	.7740-01	.2712-02	.2240-02	. 3031-02	1.688	18.22	557.5
105	2.0000	.70500	27.000	.5080-01	.4200-01	.5680-01	.1990-02	.1645-02	. 2223-02	1. የትን	13.33	554.5
105	2.0000	.75000	28.000	.2570-01	.2130-01	.2870-0	.1006-02	.8328-03	.1123-02	.6340	6.944	549.3
105	2.0000	.80000	29.000	19-0761.	10-0291.	.2200-01	.7706-03	.6381-03	.8599-03	.4 8 70	5.354	548.5
105	2.0000	.82400	30.000	. 7200-02	.6000-02	-8100-05	. 2834-03	.2347-03	.3162-03	. 1790	2.490	547.6
105	3.0000	. 20000	31.000	.3020-01	.2500-01	.3380-01	. 1183-02	.9786-03	. 1322-02	014.	7.830	553.3
50	3.0000	. 22500	32.000	.2360-01	10-0961.	.2640-01	. 9255-03	.7655-03	. 1034-02	. 5800	6.470	558.7
103	3.0000	.25000	33.000	1830-01	1910-01	10-0402.	.7153-03	. 5920 -03	. 7984-03	.4500	5.025	550.4
105	3.0000	.27500	34.000	.1410-01	.1160-01	1970-01	.5505-03	.4559-03	.6143-03	.3480	4.153	548.6
105	3.0000	30000	35.000	.1230-01	10-0201	1370-01	£0-4084.	. 3978-03	.5359-03	.3040	3.751	547.8
105	3.0000	.32500	36.000	.1320-01	10-0601.	16-0741.	.5154-03	.4269-03	. 5750-03	. 3260	3.815	547.5
50	3.0000	.35000	37.000	.1386-01	10-0411.	1540-01	5380-03	E0-1811.	.6013-03	3410	3.948	347.5
5	3.0000	.37500	38.000	.1350-01	.1120-01	1310-01	.5286-03	4379-03	.5897-03	.3350	3.918	346.9
50	3.0000	40000	39.000	.2080-01	1720-01	.2320-01	. 81 32-03	.6735-03	.9072-03	5140	6.048	547.9
105	3.0000	.42500	40.000	10-0175.	.2240-01	.3.20-01	.1060-02	.8772-03	1183-02	.6680	7.891	549.7
105	3.0000	. 45000	41.000	.2800-01	.2320-01	.3130-01	.1097-02	.9080-03	. 1224-02	.6910	7.878	549.5
105	3.0000	.47500	42.000	. 2920-01	.2410-01	.3250-01	-1141-02	.9447-03	50-475:	.7190	7.988	549.7
201	3.0000	. 50000	43.000	.3540-01	.3020-01	10-0504.	.1426-02	.1180-02	. 1593-02	. 9 960	9.943	551.7
201	3.0000	.52500	44.000	10-094	.3930-01	16-0185.	.1862-02	.1540-02	50-6105.	1.168	:3.63	552.7
105	3.0000	.55000	45.000	.6400-01	.5290-01	.7150-01	.2506-02	. 2072-02	. 2800-02	1.565	17.34	555.4
105	3.0000	.60000	46.000	.7030-01	.5810-01	.7850-01	.2751-02	. 2273-02	. 3074-02	1.715	18.52	556.6
5	3.0000	.65000	47.000	.2993-01	.2470-01	.3330-01	1168-02	.9674-03	. 1304-02	.7370	7.797	549.2
105	3.0000	.70000	48.000	.1680-01	1390-01	.1880-01	.6586-03	.5455-03	.7348-03	0914	4.583	547.8
105	3.0000	.75000	49.000	1830-01	. 1020-01	1380-01	.4832-03	.4002-03	. 5391-03	. 3060	3.315	04.7.s
5	3.0000	00008.	50.000	10-0801.	.8900-02	1500-01	.4208-03	.3486-03	.4695-03	.2660	9.0 9.0	347.4
2	3.0000	.85000	51.000	10-0621	.1070-4.	10-0441.	. 5058-03	.4189-03	. 5644-03	.3190	3.9.1	548.9
501	3.0000	.87503	52.00	.3090-01	.2569-01	.3450-01	.:210-02	.1000-02	. 1351-02	. 7580	9.341	553.1
50	3.0000	00006.	53.000	10-0651,	1310-01	10-0771.	.6216-03	.5142-03	.6940-03	.390r	5.411	552.1
501	3.0000	.92500	54.303	. 1200-01	.9900-02	.1340-01	.4706-03	. 3894-03	. 5254-03	. 296 3	3.864	551.8
105	3.0000	.95000	55.000	1370-01	10-0411.	.1530-01	.5373-03	.4446-03	.5997-03	.3380	3.412	550.7
105	۴.0000	.20000	71.000	.3810-01	.3140-01	.4263-01	20-0641.	.1230-02	. 1665-02	.9260	10.51	558.1
103	₩.000€	.22500	72.000	.3020-01	10-0052.	.3370-01	.1182-02	.9768-03	. 1320-02	.7390	8.612	555.0
105	4.0000	.25000	73.000	10-0+15.	10-0771.	.2390-01	.8374-03	.6926-03	.9351-03	.5250	6.131	552.7
105	4.0000	.27500	74.000	10-0461.	10-0441.	10-0461.	.6802-03	.5629-03	,7594-03	.4280	5.275	551.1
105	۴.0000	30000	56.000	.1430-01	.1180-01	.1600-01	.5601-03	.1638-03	.6250-03	. 3530	4.620	540.9
105	4.0000	. 32500	57.000	10-0651.	.1310-01	10-0771.	.6208-03	.5140-03	.6927-03	. 3920	5.121	9,640
105	4.0000	.35000	59.000	.2530-01	.2100-01	.2830-01	.9910-03	. 8202-03	.1106-02	.6240	8.149	330.4
105	4.0000	.37500	59.000	.3900-01	.3230-01	.4350-01	.1526-02	. 1263-02	.1704-02	9580	12.51	552.1
105	0 000. 4	00004	60.000	.5180-01	.4280-01	.5790-01	.2028-02	.1677-02	. 2266-02	1.269	16.55	554.8
105	4.0000	.42500	61.000	.6780-01	.5600-01	.7580-01	. 2653-02	.2192-02	. 2965-02	1.652	21.5	557.1

DATE 07 OCT	7 OCT 75		04-74 (AED)	04-74 (AEDC V418-BBA) HEATING DATA ON ORBITER FUSELAGE PORT	HEATING I	DATA ON ORI	BITER FUSEI		3015			PAGE 186
				OH-74 (AE	C V418-98	A) B62C12F	04-74 (AEDC V418-88A) 862C12F10M16M127E52V9R19	52VBR19				(RVB002)
\$	TRACE	x/r	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAN)	1000	OTADE	ī
NUMBER				R=0.9	R-1.0	R-TAH	BTU/ R	91U/ R	BTU/ R	910/	DE0. R	DE0. R
							FT2SEC	FTZSEC	FT2SEC	FTESEC	/SEC	
	4.0000	.45000	62.000	.8463-01	.6980-01	.9460-01	.3311-02	.2731-02	.3703-09	2.046	26.26	562.0
202	4.0000	.47500	63.000	.7340-01	.6050-01	.8210-01	.2871-02	. 2368-02	. 3212-02	1.773	.2.3e	562.4
105	4.000	.50000	64.000	.4550-01	.3770-01	.5090-01	. 1783-02	-1474-02	. 1951-02	1.115	Z '1	554.2
202	4.3000	.52500	65.000	.2970-01	.2460-01	.3310-01	.1162-02	.9619-03	. 1298-02	.7310	9.020	550.E
2	4.0000	.55000	66.000	10-0661.	.1650-01	. 2220-01	.7780-03	.6441-03	.8682-03	0164.	5.738	9.0°
105	4.0000	.60000	67.000	.1380-01	.1140-01	1540-01	5409-03	.4480-03	.6035-03	.3420	3.840	547.7
50	4.0000	.65000	68.000	1120-01	.9300 -02	1250-01	.4403-03	.3647-03	.4912-03	.2790	3,261	547.2
201	۴.0000	.70000	69.000	.8000-02	.6600-02	.8900-02	.3125-03	.2589-03	.3486-03	. 1980	2,199	547.2
105	4,0000	.75000	70.000	.7300-02	.6000-02	.8100-C2	. 2839-03	. 2352-03	.3167-03	. 1800	1.997	547.3
305	4.0000	.80000	75.000	.3000-02	. 2500-02	.3300-02	.1165-03	.9652-04	. 1300-03	.7400-01	. 8860	547.4
105	4.0000	.85000	76.000	.4600-02	.3800-02	.5200-02	.1812-03	. 1501-03	. 2021-03	.1152	1.358	5-6.8
105	4.0000	.87500	77.090	.6100-02	.5000-02	.6600-02	.2377-03	.1969-03	. 2653-03	. 1500	1.962	548.6
105	4.0000	00006.	78.000	.1620-01	.1340-01	. 1800-01	.6322-03	.5230 03	. 7058-03	.3970	5.126	551.5
:05 50	4.0000	.92500	79.000	10-0441	1190-01	1610-01	.5643-03	.4663-03	.6300-03	. 3550	4.375	551.3
105	0000	000056	80.000	-4600-02	.3800-02	5100-05	1795-03	.1486-03	.2003-03	.1130	- 32·	549.5

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				OH-74 (AE	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	A) B62C12F	10M16W127E	S2VBR19	•			(RVB002)
ORBITER	ORBITER FUSE, AGE							PARAM	PARAMETRIC DATA			
					BETA	1.000	MACH	9.000	ELEVON .	0000	RUDDER .	.0000
					TES	***TEST CONDITIONS	•••\$					
Ş	HACH	ALPHA	8	2	Ŧ	YAH	-	٥.	o	>	B	₹
NUMBER		DEG.	PSIA	DEG. R	DEG.	DEG.	DEG. R	PSIA	PSIA	FT/SEC	SLU65	18-SEC
106	7.980	%.%	547.7	1313.	-168.7	1.000	95.60	.5700-01	2.542	3823.	.5004-04	.7696-07
25	RN/L	HARE	STN NO									
NUMBER	X10 6	BTU/ R	8. 7.10									
901	2.486	. 3922-01	.2561-01									
					:	***TEST DATA***	:					
ā	18405	1/X	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAH)	1000	DTMOT	3
NUMBER		•	•	R-0.9	R-1.0	R-TAM	81U/ R	BTU/ R	BTU/ R	910/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FT2SEC	FTZSEC	7.SEC	
106	1.0000	.27500	1.0000	.1510-01	. 1250-01	10-0891	.5910-03	£0-8584.	.6590-03	.3760	3.890	ا ا ا ا ا
106	1.0000	30000	2.0000	1290-01	. 1070-01	10-0541	.5069-03	.4202-03	.5652-03	3230	5.461 0.00	הייה הייה
90 9	1.0000	32500	3.0000	10-0111.	50-006.	10-0-01	50-5554	50-5155	50-07-52	3010	7.119	7.4.7
9 5	0000	37500	5.0000	1170-01	.9700-02	1300-01	.4579-03	.3797-03	.5106-03	. 2920	3.064	9.446
106	1.0000	0000×	6.0000	. 1220-01	1010-01	.1360-01	£0-0674.	.3971-03	.5340-03	.3050	3, 132	£.6
106	1.0000	.42500	7.0000	1700-01	.1410-01	.1890-01	.6653-03	.5515-03	.7420-03	.4230	4.379	546.0
105	0000.1	. 45000	0000.0	.1970-01	. 1630-01	.2200-01	. 7729-03	.6405-03	.8620-03	0.65	5.012	4 6
106	1.0000	.47500	9.0000	1910-01	1580-01	.2130-01	.7473-03	.6193-03	.8335-03	. 4750	970	240.7
9	1.0000	.50000	10.000	.2000-01	10-091	2620-01	. 1849-03	.6304-63	60-0101	מפרא		1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1
90.		32500	000.11	10-0659.	10-0002	10-0075	50-3316.	7857-03	. 1058-02	.6010	6.023	5.7.7
9 9	0000	00000	000.41	2700-01	3060-01	4130-01	1450-02	1200-02	.1618-02	.9150	9.239	550.4
9 5	0000	65000	2000	7490-01	.6190-01	.8373-01	.2938-02	20-6242	. 3282-02	-8. 8.	18.54	555.2
9 2	0000	00002	15.000	.4250-01	.3530-01	.4760-01	.1672-02	.1383-02	. 1867-02	1.052	10.23	552.6
90.	1.0000	.75000	16.000	.2220-01	. 1840-01	.2470-01	.8695-03	.7200-03	.9703-03	.5500	5.552	549.5
106	1.0000	.80000	17.000	.1430-01	.1180-01	1590-01	. 5591 -03	.4629-03	.6239-03	.3530	3.413	549.7
901	2.0000	.28500	18.000	14-90-01	. 1240-01	.1570-01	. 5862-03	.4859-03	.6537-03	.3730	4.367	545.0
106	2.0000	.33700	19.000	.1380-01	.1140-01	1540-01	.5404-03	.4480-03	.6025-03	.3440	4.053	545.0
106	2.0000	. 39000	20.000	10-0551.	1610-01	.2170-01	. 7629-03	. 5323-03	.8507-03	. 4850	5.713	Ω+Ω. Θ
106	≥.0000	.42600	21.000	. 2520-01	. 2090-01	. 2820-01	.9903-03	. 8204-03	.1105-02	.6280	7.348	7.7
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DATE 07	7 001 75		CH-74 (AEDC	CH-74 (AEDC V418-88A)	HEAT ING [HEATING DATA ON ORBITER FUSELAGE PORT	ITER FUSEL	AGE PORT S	SIDE			PAGE 188
				OH-74 (AE	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19) B62C12F1	0M16W127E	ZV8R19				(RV8002)
ð	104.5	V.X	QN 2/1	H/HBFF	H/HREF	H/HREF	H(910)	Н(10)	H(TAH)	1000	DTMDT	ī
NUMBER MUMBER	- 11011	, E	2	R-0.9	R=1.0	R-TAW	BTU/ R	BTU/ R	8 /O/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FTZSEC	FTZSEC	/SEC	
106	2.0000	.53000	\$3.000	565001	10-0294.	.6300-01	.2214-02	.1831-02	.2472-02	1.391	15.42	553.4
106	≥.0000	.56700	54.000	10-0778.	.7240-01	.9800-01	.3438-02	. 2839-02	.3844-02	2.139	23.07	559.5
901	2.r.300	.62090	25.000	.4140-01	.3430-01	.4630-01	. 1625-02	.1345-02	.1814-02	1.024	11.09	551.5
106	2.3000	.67000	26.000	.1930-0.	1600-01	.2160-01	.7589-03	.6286-03	.8466-03	0184.	5.213	548.2
106	2.0000	.70590	27.000	1410-01	.1170-01	.1570-01	.5526-03	.4578-03	.6164-03	.3500	3.764	547.6
106	€.0000	.75000	28.000	. 9900 - 02	.8200-02	10-0011	.3880-03	.3215-03	. +327-03	. 24 70	2.702	546.3
106	€.0000	.80000	29.000	.6700-02	.7200-02	-0076.	.3398-03	.2816-03	.3790-03	.2160	2.375	547.0
106	≥.0000	.82+00	30.000	. 3500-02	. 2900-02	3900-05	. 1385-03	.1147-03	. 1545-03	.8800-01	1.218	548.4
901	3.0000	.20000	31.000	.3230-01	.2670-01	.3500-01	. 1266-02	.1048-02	-1414-02	0.797	8.417	552.5
106	3.0000	.22500	32.000	.2670-01	.2210-01	.2980-01	-1047-02	.8663-03	.1168-02	.6600	7.357	551.5
106	3.0000	. 25000	33.000	.2080-01	1720-01	.2320-01	.8167-03	.6765-03	.9112-03	.5170	5.779	548.3
106	3.0000	.27500	34.000	15-0651.	. 1320-01	10-0/41.	.6229-03	.5162-03	.6947-03	. 3960	4.735	546.3
106	3.0000	.30000	35.000	1420-01	1170-01	12-0851.	.5552-03	.4603-03	.6:91-03	.3530	4.372	¥3
105	3.0000	. 32500	36.000	10-0451	10-0821	.1720-01	.6042-03	.5009-03	.6737-03	. 3850	4.508	5-5.
106	3.0000	.35000	37.000	.1560-01	. 1290-01	1740-01	.6126-03	.5079-03	.6830-03	.3900	4.525	544.9
106	3.0000	.37500	39.000	.2630-01	.2180-01	.2930-01	.1032-02	. 8550-03	.1151-02	.6550	7.667	5.7.T
901	3.0000	00004	39.000	.3360-01	.2730-01	.3680-01	.1293-02	-1011	.1443-02	.8200	9.652	547.5
901	3.0000	.42500	40.000	10-0882	.3210-01	.4330-01	. 1522-02	. 1260-02	. 1698-02	.9610	11.36	550.1
106	3.0000	.45000	41.000	.5170-01	.4280-01	.5770-01	.2027-02	. 1678-02	.2262-02	1.279	14.56	550.7
138	3.0000	.47500	42.000	.7020-01	.5800-01	.7840-01	.2753-02	.2276-02	.3075-02	1.7 <u>%</u>	60.61	555.5
901	3.0000	. 50000	43.000	.7480-01	.6180-01	.8360-01	. 2934-02	. 2424 - 02	.3280-02	1.829	20.23	558.3
901	3.0000	52500	44.000	.4650-01	.3850-01	10-0615.	. 1825-02	.1510-02	.2037-02	1.151	13.45	551.0
106	3.0000	. 55000	45.000	.3030-01	2510-01	.3380-01	. 1189-02	.9849-03	. 1327-02	. 7530	8.365	548.7
106	3.0000	.60000	46.009	1290-01	. 1320-01	10-0771.	.6242-03	.5173-03	.6961-03	. 3960	4.303	546.6
106	3.5000	.65000	47.000	10-060:	-0100-05	.1220-01	.4291-03	.3557-03	.4785-03	.2730	2.891	J. 6.0
106	3.0000	. 7na30	48.000	.7700-02	-00-05	-8600-02	.3036-03	.2517-03	.3386-03	. 1530	2.159	J. J.
106	3.0000	.75000	49.000	.5900-02	.4900-0 2	.6500-02	.2302-03	. 1908-03	.2567-03	. 1460	1.590	545.6
106	3.0000	.80000	50.000	.3600-02	. 3000-05	-4000h.	.1405-03	.1165-03	.1567-03	10-0068	0905	240.0
106	3.9000	.85000	51.000	50-0074.	.3900-02	. 5200-02	.1837-03	.1521-03	.2049-03	.1160	1.435	548.5
106	3.0000	.87509	52.000	10000-01	.8300-02	.1120-01	3939-03	.3261-03	.4396-03	B 1	3.069	320.6
106	3.0000	.99000	53.000	.1810-01	1500-01	.2020-01	.7106-03	.5879-03	. 7934-03	07.44.70	5.197	Š
106	3.0000	. 92500	₹.300	10-05-2	.2060-01	.2780-01	.9770-03	.8080-03	50-1601.	.6130	 C	104.7
901	3.0000	.95000	55.000	10-0448.	. 2020-01	.2720-01	.9554-03	. 7905-03	50-2901.	2010	con:	100 m
106	4.0000	. 20000	71.000	.3980-01	. 3280-01	10-0111	. 1559-02	. 1288-02	.1743-02	0575.	- C- C-	0.700
106	4.0000	.22500	72.000	.3040-01	2510-01	.3390-01	.1191-02	.9850-03	. 1330-02	0847	B. 73c	700.4
106	4.0000	.25000	73.000	.2350-01	10-0561	.2630-01	.9228-03	.7636-03	.1030-02	.5810	5.788	951.9
105	۰۰ ، 0000	.27500	74.090	.1930-01	1600-01	.2160-01	.7575-03	.6271-03	.8453-03	06.4	2.90 4	D. 67.6
106	₩. 0000	.30000	56.000	1630-01	. 1350-01	. 1810-01	.6377-03	. 7284-03	.71.3-03	.4650	υ. Σ	7.7
106	4.0003	.32500	57.000	16-0875.	.2300-01	.3100-61	-1001.	.9037-03	.1218-02	.6900	9.026	246.9
106	4.0000	.35000	58.000	10-0064.	. 3890-01	.5240-01	. 1842-02	.1524-02	-2057-02	1.158	15.11	553.0
90;	4.0000	.37500	59.000	.7240-01	.5990-01	.6090-01	- SB4 1 - 02	.2348-02	.3174-02	1.776	23.12	556.7
106	4.0000	00004.	60.000	.5930-01	10-0164	.6630-01	.2327-02	. 1924-02	.2599-02	654.1	19.03	554.5
90	4.0000	.42500	61.000	.3510-01	.2910-01	.3920-01	. 1378-02	.1141-02	. 1538-02	.8710	98	948.8

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DATE 0	DATE 07 OCT 75		0H-74 (AED)	0H74 (AEDC V418-88A)	HEATING D	ATA ON OR	HEATING DATA ON ORBITER FUSELAGE PORT	AGE PORT 9	SIDE			PAGE 189
				0H-74 (ÁEÍ	04-74 (AEDC V418-88A) B62C12F10M164127E52V8K19	n B62C12F	10M16W127E	52V8F.19				(RVB002)
2	TRA.E	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(9T0)	H(10)	HCTAH	a D01	DTMDT	ş
NUMBER				R=0.9	R=1.0	R=TAW	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
106	٠,0000	.45000	62.000	.2040-01	10-0691.	.2270-01	.7995-03	.6523-03	.8918-03	.5070	6.554	547.6
106	٠, 0000	.47500	63.000	1540-01	. 1280-01	.1720-01	.6056-03	.5018-03	.6755-03	.3840	¥.888	546.9
106	4.1300	.50000	64.000	1100-011.	.9100-02	.1230-01	.4310-03	.3572-03	.4806-03	0*75.	3.386	546.2
106	4.3000	. 52500	65.000	.9100-02	.7500-02	.1020-01	.3572-03	.2961-03	.3984-03	.2270	2.808	546.0
901	₩.0000	.55000	66.000	.7300-02	.6000-02	.8100-02	.2851-03	.2353-03	.3179-03	.1810	2.125	543.6
106	4.0000	.60000	67.000	.5900-02	-4900-05	.6500-02	.2298-03	.1905-03	.2553-03	.1460	1.644	545.4
901	4.00uo	.65000	68.000	.4800-02	70-0004.	.5300-02	. 1881-03	.1559-03	. 2098-03	.1200	1.403	545.3
106	₩.0000	.70000	69.000	50-00-2	.2000-02	50-0075.	.9453-04	.7837-04	.1054-03	.6000-01	.6700	544.9
106	4.0000	.75000	75.000	. 2100-02	. 1800-02	.2400-02	.8357-04	.6929-04	.9318-04	.5300-01	. 5920	545.0
106	4.0000	.80000	75.000	.1500-02	.1200-02	. 1600-02	.5721-04	¥0-5464.	.6380-04	.3600-01	.4380	546.0
105	¥.0000	.85000	76.000	.1000-02	.8000-03	.1100-02	.3769-04	.3123-04	.4203-04	.2400-01	.2830	546.3
106	4.0000	.87500	77.000	.2200-0 2	.1800-02	.2500-02	.8673-04	.7186-04	.9674-04	.5500-01	. 7200	547.2
106	₩.0000	00006	78.000	.6700-02	.5500-02	.7500-02	.2624-03	.2173-03	. 2928-03	.1660	2.147	548.6
106	۴.0000	.92500	79.000	.8300-02	.6900-02	.92c,0-c2	.3249-03	.2690-03	. 3626-03	.2050	2.535	549.6
901	₩.0000	.95000	80.000	. 9600-02	. 7900-02	10-6701.	.3748-03	.3104-03	.4183-03	.2370	2.769	549.8

DATE 0	DATE 07 OCT 75		OH-74 (AEDC V418-88A)	W-18-884)	HEATING C	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	IITER FUSEL	AGE PORT	3015			PAGE 190
				OH-74 (AE	OH-74 (AEDC V418-88A) BG2C12F1OM16W127E52VBR19	N BEZCIZFI	375 ING (MO	2VBR19				(RVB002)
371890	ORBITER FUSEL AGE							PARAM	PARAMETRIC DATA			
					8 E1	1.000	MACH	. 8.000	ELEVON .	0000	RUDDER -	0000
					1531***	***TEST CONDITIONS***	<u>S</u> .					
RUN	MACH	ALPHA DEG.	PSIA	70 DEG. R	PH 2	YAH DEG.	T DEG. R	4 Y S	o PSÍA	v FT/SEC	RHO SLUGS	HU 18-5£¢
107	7.980	29.83	546.7	1313.	-90.00	1.000	95.60	10-0025.	2.537	3823.	+0-566+	.7696-07
RUN N.JABER 107	FBV/L X10 6 /FT 2.481	HREF 81U/ R FT2SEC .3918-01	STN NO R* .0175									
					•	***TEST DATA***	:					
ă	TRACE	X/1	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAW)	1000	DTWDT	3
NUMBER		1	•	R-0.9	R-1.0	R-TAH	81U/ R	81U/ R	8TU/ R	BTU/	DEG. R	DEG. R
							FT25EC	FT2SEC	FT2SEC	FT2SEC	/SEC	
101	1.0000	.27500	1.0000	10-0641.	. 1240-01	10-0991	.58+9-03	.4846-03	.6523-03	.3710	3.840	£7.1
101	1.0000	30000	2.0000	1290-01	10-0201	1440-01	.5067-03	.4199-03	.5652-03	3250	3.410	מיליני היסיק מ
107	0000.1	2000 2000 2000 2000 2000 2000 2000 200	3.0000 4 0000	10-0-0-0	1030-01	1380-01	.4850-03	.4020-03	5409-03	.3080	3.190	546.3
107	1.0000	.37500	5.0000	1190-01	20-0086	.1320-01	.4644-03	.3849-03	.5179-03	.2950	3.100	545.9
101	1.0000	000G4.	6.0000	1960-61	.1620-01	.2180-01	.7661-03	.6349-03	.8544-03	.4 8 70	696.4	546.6
101	1.0000	42500	7.0000	1930-01	1800-01	.2150-01	20-74GC.	.6251-03	.8415-03	0874	 	3.7.7. 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.
61	1.0000	45000	8.0000	. 2250-01	10-0261	10-0125.	.8812-03	.7300-03	.9831-03	. מפני מפני	5.030 57.72	547.0
107	0000.1	5000	10.000	10-0046	10-0661	.2680-01	.9412-03	.7797-03	. 1050-02	0763.	6.030	547.8
£6:	1.0000	.52500	11.003	.3160-01	.2623-01	.3530-01	. 1238-02	.1025-02	. 1382-02	. 7830	7, 307	5.64g
101	1.0000	55000	12.000	.3360-01	.2780-01	.3750-01	.1317-02	. 1091 - 02	.1459-02	.8340	8.346	7.89.7
101	1.0000	.60000	:3.000	10-0854	.3710-01	.5000-01	.1755-02	1452-02	. 1960-02	1.103	11.12	553.3
101	1.0000	.6500	14.000	.2800-01	.2320-01	.3123-01	50-9601.	20-27.09.	1663-06	. מאני מאני	5 28R	מינים ביי
101	1.0000	70000	13.000	10-0192.	10-0061	10-0167	5101-03	5053-03	.6807-03	3860	3,902	548.6
6.	2000.	90000	17.000	20-0056.	.7700-02	10-0-0:	.3646-03	.3020-03	.4068-03	.2310	2,230	548.7
107	2.0000	.28500	16.000	1550-01	1290-01	1730-01	.6083-03	.5039-03	.6796-03	.3860	4.512	547.9
107	2,0000	.33700	19.000	10-00-1	.1150-01	1570-01	.5500-03	.4557-03	.6133-03	.3490	4.112	546.5
107	2.0000	. 39000	20.000	.2670-01	.2210-01	.2980-01	.1046-02	.8666-03	.1167-02	. 5620	7.790	548.7
101	2.0000	.42600	21.000	.3340-01	.2770-01	3730-01	.1310-02	. 1084-nz	. 1462-02	. 8270	9.669	550.2
101	2.0000	.47800	22.000	10-0+84.	.4000-01	.5400-01	. 1895-02	.1568-02	.2115-02	1.193	13.24	552.0

			124	04-74 1450 V419-8841 852712510H16416775228819	361769611						, 0000
					, DOCK 15.	UNIONIC/E	SCYBKIS				מאפאר)
RUN TRAILE	Х/Y	T/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAH)	1000	CTMOT	3
NUMBER			R=0.9	A=1.0	R=TAM	BTU/ R	BTU/ R	91U/ R	BTU/	DEG. R	DEG. R
	00000	000	0		000	1626.03	1155EC	1735	1656	7 25 .	7
107 2.0000	56700	24.000	.2830-01	. 2340-01	.3150-01	1108-02	.9.70-03	1236-02	7000	7.584	545.8
	.62000	25.000	.1776-01	1470-01	10-0861.	.6940-03	5749-03	.7743-03	0075	4.767	548.3
	.67000	26.000	.1170-01	.9700-02	1300-01	.4574-03	.3790-03	.5101-03	.2900	3.151	546.8
	. 70500	27.000	20-0096	.7900-02	.1070-01	.3751-03	.3108-03	.4183-03	. 2380	2,562	546.4
107 2.0000	. 75000	29.000	£0-00LL.	.6+00-02	.86 00-02	.3012-03	2496-03	. 3359-03	0161.	2.099	940.1
07 ₹.0000	. 80000	29.000	4800-05	.3900-02	5300-02	.1864-03	1545-03	2079-03	. 1.60	1.304	5.010
107 2.0000	.82+00	30.000	.6000-03	5000-03	.7000-03	. 2443-D4	. 2025-04	.2725-04	1600-01	.2160	946.4
	.20000	31.000	.3280-01	.2710-01	.3670-01	. 1286-02	. 1083-02	. 1436-02	.8060	8.510	554.6
	. 22500	32.000	.2840-01	.2350-01	.3180-01	1114-02	.9216-03	. 1244-02	. 7000	7.797	553.6
	.25000	33.000	.2280-01	1830-01	.2550-01	.8941-03	.7+01-03	.9979-03	. 5640	6.295	550.7
	.27500	34,000	.1680-01	1400-01	.1880-01	.6601-03	.5468-03	.7364-03	.4180	4.999	5+8.2
	.30000	35.000	1220-01	10-0621	10-0241	.6084-03	. 504!-03	.6786-03	.3850	4,773	547.0
	. 32500	36.000	1540-01	10-0821	.1720-01	.6046-03	.5011-03	.6743-03	.3840	4.498	546.4
	.35000	37.000	. 2490-01	.2060-01	.2780-01	.9747-03	.8073-03	. 1087-02	.6170	7.147	548.4
	.37500	39.000	.3500-01	10-0062	.3910-01	.1371-02	.1136-02	.1530-02	.8670	10.14	549.2
	40000	39.000	.3870-01	.3200-01	10-0154.	. 1515-02	. 1254-02	. 1690-02	9570	11.25	549.8
	.42500	¥0.000	.3570-01	. 2960-01	.3990-01	20-10+1.	.1159-02	. 1563-02	.8830	10.43	551.1
	.45000	41.000	10-0684	10-0-01	.5460-01	. 1915-02	. 1585-02	. 2138-02	1.206	13.72	552.1
	.47500	42.003	3+00-01	2810-01	3790-01	. 1332-02	-1103-02	. 1487-02	0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75	9.35	549.7
	.50000	43.000	10-0/42	10-0402	10-05/5.	50-0005.	- HOUR.	50-6:01	0110	6.793	, d
3.0000	00056.	000.44	10-04/1	10-0447	10-0+61.	. 5552-03 5503-03	19696-103	. 7520-03	25.0	0 F	יים פיים פיים
	00005	מססים של	:0-034::	60-0011	10-06611	1484-03	50-030t.	7885-03	5 6 6 6	7 407	, the contract of the contract
	.65000	47.000	.6000-02	.5000-02	.6700-02	.2357-03	1954-03	.2628-03	. 1500	1.590	545.4
	. 70000	48.000	- R800-05	-4000 h.	5300-02	. 1871-03	.1551-03	.2086-03	.1190	1.312	545.3
3.0000	.75000	49.00C	3100-05	.2600-02	.3500-02	. 1229-03	.1018-03	.1370-03	.7800-01	.8490	545.4
	.80000	50.000	. 1400-02	.1100-02	. 1500-02	.5312-04	40-2044	.5923-04	.3400-01	. 3620	545.5
	.85000	51.000	.1400-02	. 1200-02	. 1600-02	.5534-04	40-48G4.	.6175-04	.3500-01	.4330	548.6
	.87501	52.000	.2330-02	. 1900-02	.2500-02	. 8932-04	.7396-04	.9967-04	.5600-01	. 5970	549.4
	00006	53.0 00	. 1800-02	. 1500-02	.2000-02	.7080-04	.5862-04	.7901-04	.4500-01	.6210	550.1
	00056	5 5 C	20-0062.	20-00-0	. 3300-02	50-1C11.	+0-cscs.	. 1685-03	10-005/	000	יים היים היים
	.20000	71. 00	.4310-01	. 3560-01	10-0284	. 1688-02	1394-02	50-8881.	1.049	11.88	250.3
	00035	73.000	10-0405.	ים-מאכי.	2600-01	20-5811.	19804-03	20-5551.	. 7460	0cc	10.14.00 10.10.00
0000.	00000	000	10-0363	0.000	10-069-	50-C506	50-5557	20-5101.	5500	699.9	55.
	0000	200.00	10-0902	10-0/21	10-0026	50-11-09	5675-03	10 C10E	5100	6 564	. הול ה
_	מספב.	57.000	10-065	10-0055	1450-01	56-5-02	20-2521	17,5-02	.9820	12.81	553.3
	35000	58.000	.5900-01	.4130-01	.5580-01	20-8561	1618-02	2188-02	1.224	15.93	556 9
	.37500	59.000	.3280-01	.2710-01	.3560-01	.1284-02	.1063-02	. 1433-02	.81 10	10.59	550.4
	. 40000	F7.000	.2250-01	. 1870-01	.2510-01	.8831-03	.7312-03	. 9854-03	. 5580	7.298	549.4
0000.4 70	.42500	61.000	1610-01	1330-01	10-0661	5205-03	4215-03	7022-03	3000	F 237	51.7 E
									2000	7.07	1

SERVE CONTRACT OF THE SERVE CONTRACT OF THE

DATE 07 OCT	27 75		OH-74 (AEDC	V418-B8A3	HEATING DATA ON ORBITER FUSELAGE PORT	ATA ON ORB	ITER FUSEL		S10E			PAGE 192
				OH-74 (AED	DH-74 (AEDC V418-88A) B62C12F10M16W127E52V8R19) B62C12F1	OM164127ES	2VBR19				(RVB002)
RCH RCH	TRA'E 4.0000	X/L	1/C NO 63.000	H/HREF R=0.9 .7700-02	H/HREF R=1.0 .6400-02	H/HREF R=TAW .8600-02	H(910) BTU/ R FT2SEC .3026-03		HITAN) BTU/ R FT25EC .3374-03		DTWDT DEG. R /SEC 2.446	TH DEG. R 546.0 545.3
ē ē ē	4.0000	.52500	64.000 65.000 66.000	.5100-02	.4800-02 .4200-02 .370G-02	.5600-02 .5600-02 .4900-02	1981-03		.2208-03 .1930-03		1.560	545.0 545.2 543.7
107	4,0000 4,0000 4,0000 4,0000 4,0000 4,0000 4,0000	.65000 .70000 .75000 .80000 .87500 .87500 .90009 .90559	67.000 58.000 69.000 75.000 75.000 77.000 78.000 79.000	20000003. 20000003. 20000003. 20000003. 2000003. 2000003. 2000003. 2000003.	.3100-002 .1700-02 .8000-03 .8000-03 .1900-02 .1300-02 .1500-02	.4200-02 .2300-02 .1100-02 .7000-03 .2600-02 .1800-02 .3100-02	1984-03 3613-04 3613-04 2616-04 9162-04 6255-04 7143-04 7143-04	.51231-03 .3001-04 .3114-04 .2169-04 .7596-04 .5185-04 .5919-04	.9046-04 .4034-04 .4186-04 .2916-04 .1021-03 .5976-04 .7967-04	. 5200-01 . 5200-01 . 5400-01 . 5600-01 . 4500-01 . 7000-01	. 5670 . 2570 . 2670 . 2016 . 5910 . 5810 . 5860 . 8610	544.0 544.0 544.0 544.0 546.0 546.0 540.0

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A CONTRACTOR OF THE SECOND

DATE 0'	DATE 07 OCT 75		0H-74 (1EDC	04-74 (1EDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	HEATING C	DATA ON ORE	HTER FUSEL	AGE PORT S	30.5			PAGE 193
				OH-74 (AEL	C V418-B8	04-74 (AEDC V418-88A) BG2C12F10M1G4127E52V8R19	10M16W127ES	52V8R19				(RVB002)
OR81 TE	ORBLITER FUSE, AGE							PARAME	PARAMETRIC DATA			
					BETA	1.000	НАСН	B.000	ELEVON .	0000	RUDDER .	.0000
					•••1ES1	***TEST CONDITIONS***	Š					٠
RUN NUMBER	MACH	ALPHA DEG.	9 8 4 3 4	10 DEG. R	PH1 DE6.	YAH DEG.	↑ DEG. R	PSIA	O PSIA	V FT/SEC	RHO SLUGS	HU LB-SEC
108	7.980	34.89	547.2	1310.	168.8	1.000	95.40	.5700-01	2.539	3819.	₩0-110g°	.7678-07
RUN	ABN/L t X10 6 /FT	HREF BTU/ R FT2SEC	STN NO R*									
801	5.495	10-616£	.2559-01									
					•	**************************************	:					
č	TRACE	×	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HCTAH	1000	DTMOT	
NUMBER				R=0.9	R=1.0	R-TAH	BTU/ R	BTU/ R	81U/ R	BTU/ FT2SEC	0EG. R	0EG. R
9	0000	27500	0000	.1520-01	. 1260-01	10-0691	.5940-03	.4920-03	.6628-03	.3750	3.881	547.5
90	0000.1	. 30000	€.0000	1430-01	10-0611.	.1600-01	.5509-03	.4645-03	.6258-03	.3540	3.750	547.6
801	1.0000	.32500	3.0000	1240-01	1030-01	1390-01	5312-03	.4035-03	.5925-03	.3360	3.479	546.3
80 -	0000	37500	5.0000	1880-01	. 1550-01	2090-01	.7349-03	.6088-03	.8199-03	.4650	۴.878	546.5
109	1.0000	.4000	6.0000	.2230-01	. 1850-01	.2490-01	.8756-03	.7252-03	.9769-03	.5530	5.671	547.2
801	1.0000	.42500	7.9000	10-0362	10-0551.	.2230-01	. 7823-03	.6480-03	.8727-03	0564.	5.048	546.7
80	1,0000	47500	0000.6	10-01-2	.2270-01	.3060-01	.1075-02	.8898-03	.1199-02	.6780	6.881	5.48.2
198	1.0000	.50001	10.000	.2430-01	.2010-01	10-0175.	.9508-03	.7875-03	1061-02	.6010	7 :52	547.6
108	1.0000	.52500	11.000	10-0585.	10-0262	10-0618.	1380-02	. 143-02	1540-02	.8720	8.733	547.5
80 5	0000	00000	000 %	10-0755	1960-01	.2650-01	.9293-03	.7696-03	. 1037-02	.5870	5.928	547.9
B 6	0000	65000	14.000	3050-01	.2530-01	.3420-01	50-6611.	.9930-03	.1338-02	.7560	7.636	548.7
901	1.0000	.70000	15.000	.1570-01	.:300-01	.1750-01	.6159-03	.5102-03	.6871-03	. 3890	3.798	547.0
001	1,000	0.05	16.000	.7460-02	.6100-02	.8300-02	.2907-03	.2408-03	.3242-03	. 1840	1.862	740. / Run 7
801	1.0000	. 80000	17.000	.2600-C2	. 2200-02	20-0062	. 1018-03	2 8 8 6 8 6 8 6 8 8 8 8 8 8 8 8 8 8 8 8	.1136-03	10-00-01	724	7.07.6
108	2 .0000	.2850	18.000	. 1640-01	. 1360-01	. 1830-01	.6426-03	5320-03	20-2/17	0204	1,755	
108	€.0000	.33700	000.61	. 1630-01	1350-01	1820-01	.6392-03	9593-03	1306-02	0504.	8.663	5.9.3
108	2.0000	. 35000	20.000	10-0665.	10-07-2	10-0888	. 11 /0-02	.7422-03	. 1000-02	.5650	6.608	5.48.8
901	2.0000	.42600	21.000	10-0695	10-0581.	3200-01	1124-02	.9303-03	. 1254-02	.7080	7.867	548.9
108	Onno 'V	700/4		?		1						

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報子を重要されたが、我等にようだっている。1977年の日本は最近の大きに関係されば、「大学では、日本では、大学では、大学でも大学ではなっていない。」。 「「「「「「「「「」」」」 「「「」」」 「「「」

REPRODUCIBILITY OF THE OWNGINAL PAGE IS POOR

DATE 07	7 001 75		0H-7% (AEDK	OH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	HEATING !	DATA ON ORE	HITER FUSEL	AGE PORT S	3015			PAGE 194
				OH-74 (AE(C V*18-B8	04-74 (AEDC V418-88A) B62C12F10M16M127E52VBR19	10H16H127E	SZVBR19				(RVB002)
ă	104.6	, , , , , , , , , , , , , , , , , , ,	0V 3/1	H/HREF	HIHREF	H/HREF	H(910)	н(10)	HETAM	1000	DTMDT	
NUMBER		•		R=0.9	R=1.0	R-TAW	91U/ R	BTU/ R	BTU/ R	310/	OEG. R	DEG. R
	,				0	7500	1256-03	1040-02	1202-02	79.0	79.79	340.1
80:	2.0000	00083.	43.000 34.000	. 3500-01	10-0663.	10-0005	8118-03	6724-03	.9057-03	.5130	5.564	547.3
B 6	0000	מטיסני.	600.50	1530-01	1260-03	1700-01	.5979-03	.4953-03	.6569-03	.3780	4.107	546.2
9 5	200. 4	67000	26.000	50-0068 .	.7300-02	. 9900-02	3473-03	.2878-03	.3873-03	.2200	2.335	6.448
2 6	0000	70500	27.000	.6300-02	5200-05	. 7000-02	.2452-03	.2033-03	.2735-03	.1560	1.674	544.5
8 8	2.0000	. 75000	26.000	3000-05	-2500-02	.3200-02	.1163-03	.9639-04	. 1296-03	10-0047.	.8110	543.8
80	2.0090	00008	29.000	.2200-02	. 1800-02	.2500-02	.B742-04	.7246-04	.974B-04	.5500-01	.6120	544.3
901	€.0000	.82400	30.000	.8000-03	.6000-03	.8000-03	. 2958-04	.2451-04	.3299-04	10-0061.	.2610	7.0.F.
108	3.0000	. 20000	31.000	.3410-01	. 2820-01	.3810-01	.1336-02	.1105-02	. 1493-02	.8360	8.828	553.3
106	3 0000	. 22500	32.300	.2930-01	.2420-01	.3270-01	20-6411.	.9498-03	. 1283-02	.7190	8.015	552.9
80		. 25000	33.000	.2170-01	.1800-01	.2430-01	.8512-03	. 7043-03	.9504-03	.5340	5.959	551.3
50	3.0000	.27500	34.000	1740-01	1440-01	10-0451.	.6799-03	. 5628-03	.7589-03	. 4280	5.110	549.8
80	3.0000	.30000	35.000	10-02-1	. 1210-01	10-0491	.5748-03	.4759-03	.641':-03	. 3620	4.475	548.6
501	3.0000	32500	36.000	. 20:0-01	10-0171.	.2310-01	.6101-03	.6706-03	.9041-03	.5100	5.966	549.0
138	3 0030	.25000	37.000	.3270-01	.2700-01	.3640-01	. 1280-02	. 1059-02	1428-02	.8050	9.3.9	550.1
108	3,0000	66675.	36.000	.333 -01	.2750-01	.3720-01	.1307-02	. 1081-02	. 1459-02	.6210	9.598	550.5
901	3,0000	40000	39.000	10-0515.	1780-01	10-00%	.8414-03	.6968-03	.9388-03	.5310	6.252	547.6
108	3.0000	.42500	49.000	13-05-61	10-0018.	10-0614	50-07+1.	. 1216-02	. 1641-02	.9210	10.87	552.5
108	3.0000	5000	41.000	10-0692	.2390-01	. 3220-01	.1132-02	.9375-03	. 1263-02	.7140	8.143	5,48,5
108	3.0000	.47500	42.000	. 2653-01	10-5619.	.2953-01	. 1037-02	.8589-03	. 1158-02	.6540	7.268	248.7
108	3.0000	.50000	43.000	2270-01	. 1830-01	.2530-01	.8901-03	.7373-03	.9930-03	.5630	6.638	5.070
103	3.0000	.52503	44.003	10-0241	1170-01	.1580-01	. 5552-03	.4601-03	.6192-03	3520	4.163	242.5
108	3.0000	.55000	45.000	1160-01	. 9500-02	. 1290-01	.4548-03	3769-03	.5072-03	1880	3.c11	0.44.0
168	3.6000	.60000	46.000	50-0004.	. 5800-02	-300-082	.2748-03	. 2279-03	.3064-03	067.	9.5	7.7
90	3.0000	.65000	47.000	-5000-05	20-001h	.5500-02	1949-03	. 1616-03	.2173-03	D	1.316	345.0
90.	3.0000	. 70000	48.000	.2500-02	.2200-02	-2006-2	. 1023-03	.B-63-04	.1140-03	10-0069	0817	D. 4.1.
108	3.0000	75000	€3.000	. 1700-02	1400-05	. 1900-02	.6517-04	- 104G	.7266-04	10-0014	010.4	2 2 2 2 2
109	3.0000	J6008.	500.00	-1900-05	. 1609-02	26-00-25	. 7635-04	. 65cg-04	*0-51CB.	0.000	001	יי אר היי איני מיי איני
E0 !	3.0000	.85000	51.000	. 1500-02	.1300-02	. 1700-02	.5976-04	#0-166#.	-0-0-0-1-0-1-0-1-0-1-0-1-0-1-0-1-0-1-0-	10-0095	0004.	5 di 10 di
108	3.0000	.87501	52.630	20-00-1	20-00-15	1600-06	*0-/coc.	10-24-01	-0150.	10-0025	5130	546.8
108	3.0000	00006	53.000	50-0051	50-00-1.	20-0071	-0455 -0-8658	- 50 - 50 - 54 - 54 - 54 - 54 - 54 - 54	7280-04	6100-01	95.50	546.7
80	3.0000	005/25	000	-00-00K	20-00+1·	50-0061	- CC-50	10-404G	.7275-04	10-0014	.4180	546.0
2	3.0000	oppose.	25.55	10-0011	20 CO. 1.	10-1694	- 1542-02	1356-02	. 1836-02	1.019	11.56	558.5
B .	0000	מספרה.	000.11	10-0206	10-3226	10-0162	1126-02	9307-03	50-8521.	.7030	8.197	554.8
90	3795. F	00000	500.5	20.00	10-020-	26.00.00	BO-0-03	7409-03	9874-03	.5530	6.45	553.6
90 1	4. 000c	0000	3.000	10-0000	10-0791	2010-01	CO-0601	84.3-03	1140-02	.6380	7.855	553.8
90	2000 ·	מיים איי	200	10-0096	10-0515	10-0066	10-0-0-0	R435-03	11 38-02	.6400	8.356	551.3
80	£.0000	50005	000.00	19-00-2	10-0212	10-0864	1483-02	1226-02	.1656-02	.9260	12.07	554.5
108	.0000	00005	37.000	יייייייייייייייייייייייייייייייייייייי	10-0366	10-040Z	1066-02	BB21-03	1191-02	0699	8.733	551.7
80.	00007	35900	28.000	10-02/2	10-010-	2710-01	.9516-03	.7874-03	1062-02	.5980	7.806	550.9
9 9	2000	00001	200.00	10-0206	1720-01	2310-01	.8123-03	.6724-03	.9066-03	.5120	6.536	549.3
2 3	2000	0000	000.00	10-0661	10-0101	1350-01	4765-03	3948-03	.5316-03	.3010	3.945	546.5
108	. agua	2000	0.00.10		·		1					

THE CONTRACTOR OF THE RESIDENCE OF THE PROPERTY OF THE PROPERT

DATE O	DATE 07 CCT 75		OH-74 (AEOC V418-BBA) HEATING DATA ON ORBITER FUSELAGE PORT	V418-88A:	HEATING D	ATA ON OR	31TER FUSEI	AGE PORT S	SIDE			PAGE	8
				0H-74 (AED	04-74 (AEDC V418-88A) 852C12F10M15W127E52V8R19	· B62C12F	10M16W127E	52v8R19				(RVB002)	(2)(
2	TRA. E	χνr	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(T0)	H(TAH)	1000	DTMDT	7	
NUMBER				R=0.9	R-1.0	R-TAW	BTU/ R	BTU/ R	BTU/ R	97.0	DEG. R	G	or
!							FT2SEC	FT2SEC	FTZSEC	FTZSEC	/SEC		
90	- 3000	45000	62.000	.8500-02	.7000-02	-9500-02	.3330-03	.2760-03	.3714-03	.2110	2.731	\$43.4	
801	* . 0000	. 47500	63.000	.6300-02	5200-05	.7000-02	.2473-03	. 2050-03	.2757-03	.1570	1.998	£.3	
901	4,7300	. 50000	64.000	5000-05	-4100-02	.5600-02	. 1951-03	.1617-03	.2175-03	0.51.	1.534	£3.7	
90	4.0000	52500	65.000	50 -005 4.	3500 05	.4700-02	.1637-03	. 1357-03	. 1825-03	. 1040	1.289	9£3.3	
80	4.0000	. 55000	66.000	.3800-02	. 3200-02	.4300-0S	.1507-03	1250-03	. 1680-03	10-0096		542.8	
108	4.0000	.60000	67.000	-5300-05	. 1900-02	.2500-02	.8817-04	.7313-0¥	.9828-04	.5600-01	.6320	42.2	
90	. 0000	.65000	900.89	.1100-02	.9000-03	.1300-02	10-1111.	.3661-04	*0-0 26 *.	.2800-01	.3300	¥2.1	
901	. 0000	. 70000	69.000	.8000-03	.6000-03	.9000-03	. 3001-04	₹0-68¥Z.	.3344-04	10-0061	.2130	æ. ₹	
1 08	*.0000	. 75000	70.000	-1400-02	20-0011	.1500-02	.5342-04	4430-04	.5955-04	3.00-01	.3790	9.03 10.03	
108	4.0000	.80000	75.000	.8000-03	.6000-03	.9000-03	-0-0 62	.2479-0 4	.3333-04	10-0061.	. 2290	543.5	
108	۴. ۵۵۵۵	.87500	77.000	.1200-02	.1000-02	.1300-02	.4630-04	. 3838-04	.5162-04	10-0062.	.3850	544.3	
80	4.0000	00006	78.000	.1200-02	-1000-02	. 1300-02	.4687-04	.3885-04	.5227-04	.3000-0:	. 3850	544.8	
901	0000.	.92500	79.000	.1300-02	.1100-02	.1400-02	.5059-04	.4193-04	.5641-04	. 3200-01	. 3970	S++.8	
108	¥.0000	.95000	80.000	-9600-02	- 7900-02	10-0201.	.3748-03	.3104-03	.4183-03	.2370	P. 769	549.8	

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				OH-74 (AE	DC V*18-88	0H-74 (AEDC Y418-88A) BG2CL2F1CH16H127E52VBR19	CM16W127E	52VBR19				(RVB002)
098 1 TER	ORBITER FUSELAGE							PARAH	PARAMETRIC DATA	_		
					SC 1 A	1.000	HACH	. B.000	ELEVON -	.0000	RJDOER .	0000.
					••• 165	**************************************						
3	¥	AL PRE	2	5 5	ž š	44.	- ç	a. į	o	> (Q .	₹
		Š		Š	3	s S		Š.	Š	3	25.085 27.7	LB-5EC /FT2
8	7.900	19.75	 -:	1336.	-17.2	1.000	97.30	.7000-0!	3.115	3861.	.6014-04	.7830-07
2	RN/L	1486	STN NO									
NUMBER	9 C!X	BT' . A	÷									
í	١,٠٢	FTESEC	£ 10.									
7	8 8 8	10-7 6 22.	10-1427									
					•	T DATA	•					
3	TRACE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(9T0)	HC 10)	H(TAH)	2000	TCHTO	7
NUMBER				R=0.9	R-1.0	R-TAH	BTU. R	BTU/ R	BTU/ R	970/	0£6. R	DEG. R
							FT2SEC	FT2SEC	FT2SEC	FT2SEC	7560	
ឥ	1.00vC	.27500	0000	1450-01	. 1200-01	1610-01	.6297-03	.5237-03	.7007-03	.4160	4.316	543.8
8	1.0000	.30000	2.0000	10-0611.	.9900-0÷	1330-01	.5193-03	.4318-03	.5778-03	.3430	3.643	543 8
8	1.0000	.32500	3.0000	. 10-4-01	.8500-02	.1130-01	.4427-03	. 3682-03	.4925-03	. 2930	3.011	543.0
28	1.0000	. 35000	٠.0000	.1020-01	. 8500-02	1130-01	.443B-03	. 3691 03	.4937-03	0+62.	3.047	542.B
3	1.0000	37500	5.0000	.9890-02	.8100-02	10-0601.	.4267-03	. 3549-63	.4748-03	. 2820	2.968	543.4
8	. 0000	C0004.	6.0000	. 1200-01	10-0001	. 1330-01	.5219-03	.4341-03	.5807-03	3420	3.547	3、10年10
8	. 0000	. 42500	7.0000	.1140-01	. 9500-02	. 1270-01	.4979-03	.4140-03	E 7-0-03	.3290	3,412	543.9
8	0000	. \$2000	8.0000	1340-01	.1110-0	10-06+1	.5833-03	.4850-03	.6490-03	.3860		544.0
%	0000-1	.*7500	9.0000	. 1950-01	. 1620-01	.2179-01	.8488-03	.7055-03	.9448-03	.5500	5.687	0.ts.0
*	0000	.50063	10.000	1780-01	1480-01	10-0861	.7750-03	.6443-03	.8625-03	.5120	5.179	945.C
%	. 0000	. 57500	11.000	1180-01	. 1480-01	. 1980-01	.7766-03	.6456-03	.8643-03	.5130	5.188	5,2.1
8	. 9000	92000	12.000	. 1830-C	. 1520-01	.2040-01	. 7989-03	.6642-03	8880-03	.5280	5.293	544.7
27	1.0000	.60000	13.000	.2200-01	.:820-01	.2440-01	.9568-03	. 7951 -03	. 1065	6300	3.373	546.5
38	1.0000	.65000	14.000	.2770-01	.2300-0!	10-0802	1205-02	. 1001-02	. 1342-	. /930	8.017	5.745
8	1 . 0000	.7000	15.000	.3246-01	. 2690-01	. 3610-01	.1413-Cc	.1174-02	. 1573-02	.9290	9.058	547.6
8	1.0000	. 75000	16.000	.5:53-01	.4280-21	.5740-01	. 2246-02	. 1864-02	. 2502-02	024.1	14.8¢	550.5
8	1.0300	.80000	17.000	.5550-0;	10-0194	.6190-61	.2420-02	. 2007- 0 2	.2698-02	1.573	15.15	555.2
8	2.0000	.28500	19.000	1370-01	10-0511.	15-0-01	. 5951 -03	.4949-03	.6671-03	.3940	4.616	543.6
9	2.0000	. 33700	19.000	10-0511.	. 98 00-02	1310-01	.5138-03	.4273~03	.5716-03	3400	4.011	543.0
8	≥.0000	39000	20.000	1360-01	. 1130-01	1510-01	.5926-03	.4929-03	.6393-03	. 3920	4.623	543.5
8	€.0000	.42600	21.000	10-0681	.1570-01	.2110-01	.8252-03	.6859-03	.9183-03	. 5440	6.379	545.3
ş	00000											

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DATA ON ORBITER FUSELAGE PORT
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C V418-B8A)
VEDC
0H-74 (AEDC V41
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DATE 07	7 01. 75		0H-74 (AED	0H-74 (AEDC V418-BBA)		DATA ON OR	HEATIN. DATA ON ORBITER FUSELAGE PORT	AGE PORT	SIDE			PAGE 197
				OH-74 (AE	OC V418-88	A) B62C12F	OH-74 (AEDC V418-88A) BG2C12F10M16H127E52VBR19	52VBR19				(RVB002)
R.	TRA, E	x/L	T/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAH)	000 t	DTMDT	3
NUMBER	a.			R=0.9	9- 1.0	R-TAW	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. A
			,			;	FT2SEC	FT2SEC	FIZSEC	FT2SEC)35/	
ያ :	2.0000	.53000	23.000	.2850-01	.2380-01	10-0618	. 1248-02	.1037-02	. 1389-02	.8210	9.129	547.3
B (2.0000 2.0000	.56700	24.000 24.000	3300-01	10-07/5.	.3670-01	. 14.35-02	.1193-02	.1599-02	0146	10.23	548.1
R 2	6.00	. 52000	20.000	10-0964	3.090-01	10-0/05.	50-0861.	50-849.	50-0155.	1.301	D 1	049.0
9 2	0000	00000	200.00	5950-01	10-0101	6650-01	20-20-06	20.01.02.02	50-5056	5000	CO: 10:	337.E
9 60	2.0000	75000	28.000	3010-01	2500-01	3350-01	1311-02	50-0501.	1450-02	9640	9.467	3,60.0
38	2.0000	. 80000	29.000	1920-01	1600-01	10-0412	.8365-03	.6955-03	6309-03	.5520	6.088	9,44,6
28	2.0000	.6240	30.000	50-006.	.6500-02	.8830-02	.3431-03	.2853-03	3819-03	.2270	3.153	544.9
28	3.0000	.20000	31.000	.3110-01	.2590-01	.3460-01	. 1354-02	.1123-02	.1508-02	.8840	9.334	552.4
28	3.0000	. 22500	32.000	.2450-01	.2030-01	.2730-01	.1067-02	.8861-03	.1189-02	0669	7.803	5, 0.0
29	3.0009	.25000	33.000	10-0481.	10-025/	.2050-01	.8006-03	.6654-03	.8912-03	.5270	5.897	4. 4 <u>0</u>
28	3.0000	.27500	34.000	1440-0;	. 1200-01	10-0191	.6289-03	.5230-03	.6999-03	.4160	4.979	544 1
28	3 0000	.30000	35.000	.1210-01	10-0101.	.1350-01	.5286-03	.4397-03	.5880-03	.3500	4.335	542.
8 7	3.0000	. 325″	36.000	10-0121.	10-0601.	1460-01	.5708-03	.4748-03	.6350-03	.3780	4.435	542.1
20	3.0000 ·	. 35(37.000	10-0041.	.1160-01	.1560-01	.6093-03	.5063-13	.6779-03	.4030	4.683	543.1
29	3.0000	. 3750.	38.000	.1430-01	10-0611.	.1590-01	.6233-03	.5185-03	.6934-03	.¥130	4.9.2	543.0
ጽ	3.0000	40000 0000	39.000	.2190-01	. 1820-01	.2430-01	.9522-03	.7917-03	.1060-02	.6290	7.406	545.0
.58 .58	3.0000	.42500	40.000	.2750-01	.2280-01	. 3060-01	.1197-02	.9548-03	.1333-02	. 7880	9.328	546.6
8	3.0000	.45000	41.000	.2790-01	.2320-01	.3110-01	.1216-02	-1010-05	353-02	.8020	3.149	545.8
28	3.0000	.47500	42.000	. 2960-01	.2460-01	. 3290-01	. 1258-02	-1071-02	. 1434-02	.8480	9.436	546.7
29	3.0000	. 50000	43.000	.3660-01	.3040-01	.4080-01	. 1595-02	. 1325-02	.1776-02	1.047	11.63	5+8.8
83	3.0000	.52500	۲۲.000	.4600-01	.39-0-01	.5120-01	. 2002-02	. 1662-02	. 2230-02	1.312	15.3	550.0
28	3.0000	. 55000	45.000	. 5000-01	10-086*	.6690-01	. 2615-02	-2170-02	.2915-02	1.705	18.81	553.1
86	3.0000	.60000	46.009	.7560-01	.6270-01	.8430-01	. 3295-02	50-1575.	.3575-02	2.136	23.06	556.9
58	3.0000	.65000	47.000	.3280-0;	.2730-01	. 3650-01	.1429-02	.1188-02	. 1591-02	9400	9.958	547.3
28	3.0000	. 70900	48.000	10-0461.	.1450-01	10-0-61.	.7585-03	.6308-03	.8440-03	. 5020	5.532	543.9
29	3.0000	.75000	49.000	.1260-01	.1050-01	1400-01	.5482-03	.4550-03	.6099-03	.3630	3.944	543.3
8	3.0000	.80000	50.00	1133-01	.9400-02	. 1260-01	.4917-03	J-060m.	.5470-03	. 3250	3.486	543.3
2 0	3. ₁000	.85020	51.000	. 1270-01	10-0901.	1420-01	.5544-03	.4608-03	.6171-03	.3650	4.517	546.1
29	3.000	.87509	52.000	.3110-01	.2590-01	.3460-01	. 1354-02	20-nc 1∶	.1508-02	. 8850	10.92	551.1
86	3.0000	00006	53.000	.1600-01	.1330-01	.1790-01	. 6984-03	.5799-03	.7778-03	.4580	6.352	549.9
28	3.0000	. 92500	54·000	.1420-01	.1180-01	.1580-01	.6194-03	.51.44-03	.6898-03	۰ 406 0	5.312	549.0
ጽ	3.0000	.95000	55.000	. 1530-01	. 1270-01	10-0041.	.6648-03	.5523-03	.7402-03	.4370	80 1 . 1	547.7
æ	۰, 0000	. 20000	71.000	. 3850-01	.3190-01	.4303-01	. 1678-02	. 1390-02	.1872-02	1.084	12.29	559.1
8	۰۰ ۵۵۵۵	.22500	72.000	3000-03	.2490-01	.3340-01	.1306-02	.:083-02	. 1456-02	.8510	9.925	553.8
28	٠, 0000	. 25 000	73.000	10-0412.	.1780-01	.2390-01	.9339-03	.7754-03	.1040-02	.6110	7,145	550.5
ፚ	٠, 0000	.27500	74.000	11790-01	10-0641	1990-01	.7805-03	.6484-03	.8692-03	.5130	6.332	548.3
ጀ	4.0000	.30000	56.000	.1330-01	.1110-01	:0-0841.	.5799-03	.4820-03	.647,5-03	. 3820	5.003	546.1
	۴. ۸۵۵۵	. 32500	57.000	1640-01	. 1360-01	. 1830-01	.7149-03	.5943-03	.7956-03	0564.	6.176	7.0.40
æ	4.0000	.35000	58.000	.2710-91	. 2250-01	. 3020-01	.1181-02	.9908-03	.1315-02	.7760	10.15	547.9
£	4.0000	.37500	59.000	.3810-01	.3170-01	.4250-01	.1661-02	.1379-02	.1850-02	1.088	14.22	9.0
ጽ	۴.0000	۳, ۳,000	60.000	.5,30-01	4310-01	.5790-01	. 2266-02	. 1880-02	.2525-02	1.478	19.29	552.6
8	٠, 0000	.42500	61.000	.6890-01	.5710-01	.7680-01	. 3000-02	-2487-02	.3346-02	1.945	25.33	556.7

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PAGE 196	(RVB002)	DTWDT TW DEG. R DEG. R /SFC	31.13 563.6 26 69 564.7	•	•	•	•	•	•	•	•	•	•	•	•	910 546.6
			. m √	17.	Ξ	7.8	3. 3	W.F	ď.	2.5			P. 0	5.6	5.0	1.9
		9000 BTU/	2,427	1.408	.9150	.6720	.3560	. 2960	.2230	.2250	-0088	10-0016	.1590	.4380	0604.	.1630
SIDE		H(TAW) BTU/ R											.2679-03	.7419-03	.6930-03	.2758-03
LAGE PORT	:52VBR19	H(TO) BTU/ R FT2SEC	•										.2002-03	.5535-03	.5170-03	.2059-03
BITER FUSE	B62C12F10M16W127E52VBR19	H(910) BTU/ R FT25EC	3784-02	-2159-02	. 1393-02	. 1020-02	.5976-03	.4469-03	.3365-03	. 3386-03	.1335-03	.1380-03	.2407-03	.6663-03	. 6224-03	.2477-03
DATA ON OR	14) B62C12F	H/HREF R-TAH	.9700-01	.5520-01	.3560-01	.2610-01	. 1530-01	. 1140-01	.8600-02	. B500-02	.3400-02	.3500-02	.6100-02	1700-01	.1590-01	.6300-02
HEATING	2H-74 (AEDC V418-88A)	H/HREF R=1.0	.7190-01	4110-01	.2660-01	. 1950-01	.1140-01	.8500-02	.6400-02	.6500-02	.2500-02	.2600-02	.4600-02	.1270-01	.1190-01	50-0074.
. V418-B8A)	OH-74 (AE	H/HREF R=0.9	.8680-01	.4950-01	.3200-01	.2340-01	.1370-01	.1030-01	50-0077.	. 7800-02	3:00-05	. 3200-02	.5500-02	.1530-01	.1430-01	.5700-02
04-74 (AEDC V418-BBA) HEATING DATA ON ORBITER FUSELAGE PORT		1/C NO	62.000	64.000	5.000	96.000	67.000	69.000	69.000	70.000	75.000	76.000	77.000	78.000	79.000	80.000
		x/L	45000	.5000	.5250.	.55000	.60000	.65000	. 70000	.75005	.80000	.85000	.87500	.90000	. 92500	.95000
DATE 07 OCT 75		TRAVE	4.0000	4. r 300	4.3000	4.0000	4.0003	4.0000	4.0000	. 0000	4.0000	۴.0000	۴.0000	4.0000	4.0000	٠, 0000
DATE 0'		RUN NJHBER	8 8	28	28	29	82	ጽ	9	29	28	28	28	86	28	28

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DATE 07	DATE 07 OC1 75		0H-74 (AEDC V41B-BBA)	V418-88A1		DATA ON OR	31TER FUSEI	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	310€			PAGE 199
				OH-74 (AE)	04-74 (AEDC V418-88A) BG2C12F10M16M127E52VBR19	A) B62C12F	10M16W127E	52VBR19				(RVB002)
ORB11E	ORBITER FUSE, AGE							PARAM	PARAMETRIC DATA			
					BETA	1.000	MACH	. 8.000	ELEVON .	0000	RUDDER -	. 0000
					•••1651	***TEST CONDITIONS***	•••\$					
RUN	МАСН	ALPHA DEG.	PS1A	10 DEG. R	PH1 0E6.	YAW DEG.	ı Ofc. R	P PSIA	0 PS1A	V F1/SEC	RHO SLUGS	735-87 18-860
29	7.990	24.8 6	675.4	1340.	-168.7	1.000	97.30	.7000-01	3.117	3862.	.6012-04	.7836-0
RUN	RN/L X10 6	HAEF BTU/ R	STN NO R=									
93	2.964	.4359-01	10-5485.									
					•	***TEST DATA***	:					
2	TRACE	x	1/C NO	H/HREF	H/HREF	H/HREF	н(910)	HITCI	HCTAWI	1000	DTMDT	
NUMBER				R=0.9	R=1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/ FTPCFC	DEG. R	DEG. R
g	0000	27500	1,0000	.1430-01	1190-01	.1600-01	.6253-03	.5204-03	.6955-03	.4150	4.310	541.7
3 %	1.0000	30000	2.0000	10-0751.	.1060-01	.1420-01	.5556-03	.4624-03	.6180-03	.3690	3.920	S+1.8
8 8	1.0000	.32500	3.0000	10-0701.	50-008.	10-0611	.5281-03	. 395-03	.5873-03	.3510	3.644	541.1
7 K	1.0000	37500	5.0000	1130-01	-0046.	.1260-01	.4939-03	.4110-03	.5494-03	.3280	3.449	542.1
53	1.0000	40000	6.0000	1200-01	10-0001.	1340-01	.5245-03	6304-03	.5833-03	.5020	3.582 5.203	543.7
7 C	1.0000	45000	9.0000 8	10-0-61.	16-0191	.2160-01	.8446-03	. 7025-03	.9396-03	.5500	5.720	543.5
20	0000	47500	9.0000	. 1820-01	1510-01	.2030-01	.7935-03	.6599-03	.8829-03	. 5250	5,343	544. 1944. I
g 7	0000	22500	11.000	10-0612.	1820-01	2440-01	. 9561-03	.7950-03	. 106'4-02	.6320	6.396	545.1
3 23	1.0000	. 55000	12.000	.2350-01	10-0961.	.2620-01	.1026-02	.8531-03	.1142-02	.6780	6.803	0,63,0
29	1.0000	.60000	13.000	.3280-01	.2730-01	.3660-01	1431-02	20-6811.	. 1593-02	05.90	9.523	547.7
29	1.0000	.65000	000.41	10-0229	.5620-01	10-0767	ייט- וכציי. כה-אנייר	50-0464 60-0464	20-20-20	1.585	15.41	554.8
e r 5	2000.	70000	15.000	10-0575	2280-01	.3060-01	1198-02	.9953-03	. 1334-02	.7870	7.953	548.9
מ מ	0000	60008	17.000	1610-01	. 1340-01	10-06/1.	.7019-03	.5831-03	.7814-03	.4620	4.464	5+8.0
n on	2.0000	.28500	18.000	.1470-01	. 1220-01	.1630-01	.6397-03	.5324-03	.71.3-03	.4260	5.000	540.6
6 6 7	2.0000	.33700	000.61	1420-01	10-0611.	.1580-01	.6205-03	.5165-03	.6900-03	.4:30	4.877	540.5
59	2.0000	39000	20.000	.2050-01	10-0121	. 2280-01	.8934-03	.7433-03	. 9937-03	.5930	6.00 0.00 0.00 0.00	546.3
65 1	2.0000	.42600	21.000	.2370-01	1970-01	10-02-02	20-4501.	50-86CB.	20-00-1	.8370	9.321	544.7
S.	2.0000	.47800	ردد. 000	10-0060		,	3	,				

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DATE 07	07 001 75		0H-74 (AEDC V41B-88A)	V418-88A)	HEATING D	HEATING DATA ON ORBITER FUSELAGE PORT	ITER FUSEL	AGE PORT S	SIDE			PAGE 200
				OH-74 LAEC	04-74 (AEDC V418-88A) 862C12F10H16H127E52V8R19	1 862C12F1	23151H31H0	2V8R19				(RVB002)
,		;		1000 N	מי מסנים	H/HBEE	H(910)	H(10)	H(TAH)	1000	DTMDT	7
NO.	TRACE	XVL	2	9,0	0.1	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
				1			FT2SEC	FT2SEC	FIRSEC	FT25EC	/SEC	
ď	0000	53000	23,000	10-0964.	.4120-01	.5530-01	.2162-02	.1795-02	.2408-02	91+ -	15.72	550.8
3 6	2.0000	.56700	24.000	10-0148.	10-0269.	10-0826.	.3667-02	.3038-02	50-160m.	2.372	25.58	559.2
3 6	2.5300	.62000	25.000	. 5060-01	.4200-01	.5640-01	.2207-02	. 1832-02	.2458-02	1.447	15.68	550.3
3 2	2.0000	.67000	26.000	.2050-01	11700-01	.2380-01	.8929-03	.7424-03	.9935-03	.5900	6.4 <u>1</u> 4	10 t x
9 6	2.0000	.70500	27.000	.1450-01	.1200-01	.1610-01	.6312-03	.5251-03	.7022-03	.4180	4.504	543.3
3 2	2.0000	75000	28.000	.1080-01	50-0006°	10-0121.	.4729-03	.3934-03	.5260-03	.3140	3.445	542.7
3 2	2.0030	.80000	29,300	.9500-02	50-0064.	.1050-01	.4159-03	.3459-03	.4627-03	.2750	3.037	543.9
י ני	2.0000	.82*00	30.000	.3600-02	.3000-02	-4000-05	.1580-03	.1314-03	.1759-03	0+01.	1.452	545.6
6	3.00	. 20000	31.000	. 3250-01	.2700-01	.3620-01	. 1415-02	.1175-02	. 1577-02	.9270	9. 798	551.2
<u> </u>	3.0000	.22500	32.000	.2730-01	.2270-01	. 3040-01	-11911	.9893-03	.1325-02	. 7840	8.765	547.3
59	3.0000	.25000	33.000	. 2060-01	10-0171.	.2590-01	.8967-03	.7459-03	.9976-03	.5940	6.653	55.0
i ii	3.0000	.27500	34.000	1590-01	.1320-01	.1770-01	.6920-03	.5759-03	. 7695-03	.4600	5.522	540.8
20	3.0000	30000	35.000	.1430-01	10-0611	10-0651.	.6224-03	5182-03	.6920-03	.4150	0 i	558.5
e G	3.0000	.32500	36.000	10-0151.	.1250-01	.1670-01	.6560-03	.5462-03	. 7294-03	4370	5.135	539.8
ç	3.0000	35000	37.000	1610-01	.1340-01	10-0541	.7015-03	.5840-03	.7850-03	.4670	5.436	540.0
, 6	3.0000	.37500	38.000	.2610-01	10-0715.	10-0062.	.1136-02	.9452-03	. 1263-02	.7540	8.821	542.
6	3,0000	40000	39.000	.3180-01	. 2650-01	.3540-01	. 1388-02	1154-02	. 1544-02	.9190	10.8	543.8
g G	3.0000	, 42500	40.000	3690-01	3070-01	10-0114.	.1609-02	.1337-02	. 1791-02	1.061	12.56	3.0.7
<u> </u>	3.0000	.45000	41.000	.4730-01	.3930-01	.5270-01	.2063-02	1714-08	. 2295-02	1.358	D. +0	J. 7. C
en en	3.0000	.47500	42.000	.6390-01	.5300-01	.7120-01	.2785-02	.2311-02	3104-05	518.	20.17	336.9
, G	3.0000	. 50000	43.000	10-0677.	.6450-01	.8690-01	.3397-02	.) 	3789-02	2.200	24.33	228.3
ď	3.0000	.52500	44.000	.5740-01	10-024	10-0049.	-5204-058	. 2079-02	. 2789-02	. 640	19.16	
g	3.0000	. 55000	45.000	3900-01	3240-01	10-0484.	. 1699-02	. 1411-02	. 1891-02	8	7.0	D / 1
9	3.0000	60000	₩6.000	1730-01	1440-01	1920-01	.7524-03	. 6259-03	8370-03	0007.	5.421	243.5
2	2 0000	65000	47.000	1140-01	.9500-02	10-0751.	£0-6264.	.4143-03	.5538-03	.3310	3.510	, c
. 2	2000	70000	48,000	.7500-02	.6200-02	.8300-02	. 3248-03	.2703-03	. 3512-03	.2160	2.386	541.1
3 2	3000 F	75000	000.64	.6400-02	5400-05	-00-00-2	.2808-03	.2337-03	.3122-03	1870	2.033	0.040
្ត ជួ	3.0030	. 80000	50.030	20-0044	3700-05	-4900-05	. 1932-03	.1608-03	.2148-03	. 1283	376	541.7
3 6	3,0000	.85000	5:.000	20-0044.	.3500-02	20-0064,	. 1913-03	.1590-03	.2129-03	. 1260	1.561	5,6.5
ď	3,2000	187501	52.000	- 9305-05	.8200-02	100-0011.	.430I-03	.3574-03	.4789-03	.2930	3.495	348.0
9	3.9000	C0036.	53.000	1820-01	1510-01	.2030-01	.7954-03	.6603-03	. 88E1 -03	. 5210	7.227	351.1
e e	3.0000	.92503	54.000	.2370-01	19-076;	2640-01	.1033-02	.8577-03	1151-02	.6770	8.8.24 0.00	351.6
95	3.0000	.95000	55.000	.2310-01	19-0261.	.2570-01	. 1005-02	.8348-03	. 1120-02	.6590	6.654	5.000
S.	4.0000	. 20000	71.000	.3960-01	.3290-01	10-0244	:728-02	.1432-02	. 1926-02	1.12:	16.76	27.7.
ď	4,0000	.22500	72 , 10	. 3020-01	.25:0-01	.3370-01	.1317-02	- 1034-05	. 1469-02	.8530	80.01	100
. G	0000	.25000		.2350-01	10-0961.	.2630-0;	.1031-02	.8564-03	-1148-02	.6780	7.938	D. / . C.
, sr	4.0000	.27500		:0-066:	1660-01	.2220-01	.8693-03	. 7217-03	.9665-03	.5730	7.086	ים. ים ו
on E	4.0000	30000	, 60. 22	1710-01	10-0241.	10-0061.	.7432-03	.6182-03	. 82/38-03	.4930	6.45	343.3
g.	\$.0000	.32500	57.000	.2810-31	.2330-01	.3120-01	. 1223-02	.1017-02	. 1361-02	. 8080	8C.01	240.0
, e	4.0000	. 35000	58.000	19-04947	.3950-01	10-0915.	.2021-02	. 1678-02	. 2251 - 02	1.326	3 . 	0.000
g	0003.3	37500	59.000	.7010-01	.5810-0;	.7820-01	. 3057 - 02	.2534-02	3408-05	986.	25.87	556.3
្ត	0000	40000	60.000	.6180-01	.5120-01	.6890-01	. 2693-02	. 2233-02	3002-05	35	22.83	555.5
, <u>2,</u>	4.0000	42500	61.000	.3920-01	.3260-01	.4370-01	.1709-02	1420-02	. 1504-02	1.123	14.69	549.1
1												•

DATE 0:	DATE 07 OCT 75		0H-74 (AEDC	V418-88A1	HEATING C	DATA ON ORE	HEATING DATA ON ORBITER FUSE! AGE PORT		SIDE			PAGE	201
				0H-74 (AEC	X V418-884	N B62C12F1	04-74 (AEDC V418-88A) BG2C12F10M16W127252V8R19	32V8R19				(RVB002)	102)
S	TRALE	x/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(T0)	HCTAWI	7000	DTMOT	Ξ.	_
NC#BER				F. 0.3	-	K-1AK	FT2SEC	F125EC	FT2SEC	FT2SEC	/SEC /	5	
29	4.0000	.45000	62.000	.2250-01	.1870-01	.2510-01	.9828-03	.8171-03	. 1094-02	.6500	8.410	545.0	
53	4.0000	.47500	63.000	10-0091	.1330-01	.1780-01	.6982-03	5806-03	.7769-03	.4620	5.876	544,7	
50	4.0300	.50000	64.000	10-0211.	-0026	. 1250-01	£0-7884.	1074-03	.5448-03	. 3250	4.021	943.0	
90	4.3000	. 52500	65.000	8900-05	20-0047.	-0066	.3860-03	.3211-03	.4294-03	.2560	3.169	5+3.0	
66	4.0000	. 55000	66.000	-8100-05	.6700-02	.9000-02	.3519-03	. 2928-03	.3914-03	.2340	2.742	542.	
93	€.0000	.60000	67.000	.5900-02	50-006h.	.6500-02	.2550-03	.2122-03	.2836-03	.1690	1.910	4. 146	
59	4.0000	.65000	68.000	50-0074.	.3900-02	.5200-02	.2045-03	.1702-03	.2274-03	.1560	1.595	٠. <u>٢</u>	
50	4.0000	.70000	69.000	.3390-02	. 2800-02	.3700-02	.1456-03	.1212-03	.1619-03	10-0079.	1.078	941.9	
53	₩.0000	.75000	70.000	-00-02	. 1800-02	54-00-05	.9323-04	.7760-04	.1037-03	.6200-01	.6920	540.7	
59	₩.0000	.80000	75.000	.1700-02	50-00+1.	. 1900-02	.7273-04	.6050-04	.8091-0 ₄	10-0084	.5810	543.0	
59	4.0000	.85000	76.000	.3300-02	.2700-02	3700-05	.1438-03	.1196-03	.1599-03	.9500-01	1.130	543.0	
6. 6.	۸ . 0000	.87500	77.000	.3100-02	.2600-02	.3400-02	.1337-03	.1112-03	.1488-03	.8800-01	1.159	544.6	
53	₹.0000	00006	78.000	.6700-02	.5600-02	.7500-02	. 2923-03	.2429-03	. 3253-03	. 1930	2.43¢	546.3	
53	٠,0000	. 92500	79.000	1100-011	-9100-05	. 1220-01	.4777 -03	. 3969-03	.5318-03	.3150	3.886	547.6	
59	4.0000	.95000	80.030	-9900-05	.8200-02	.1100-01	.4322-03	. 3591-03	.4812-03	.2840	3.326	548.3	

DATE 07 OCT 75	OH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	PAGE 202
	C 74 JAEDC V418-88A) BG2C12F10M16H127E52V8R19	(RV8002)
ORBITER FUSE, AGE	PARAHETRIC DATA	
	AND THE PROPERTY OF THE PROPER	

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					BETA	BETA - 1.000	MACH	8.000		ELEVON0000	RUDDER .	0000	
					••• TES	***TEST CONDITIONS***	SNC						
25	MACH	ALPHA	8	5	Ŧ	YAW	-	۵	o	>	8	£	
KUMBER		050.	PSIA	DEG. R	DE0.	DC0.	DEG. R	PSIA	PSIA	FT/SEC	SLU65	LB-SEC	
90	7.990	29.83	673.6	1341.	-90.02	1.000	97.40	.7000-01	3.109	3864.	.5992-04	.7842-07	
\$	RN/L	HREF	STN NO										
KUMBER	X10 6	BTU/ R	ď										
	/FT	FT2SEC	.0175										
9	2.952	.4353-01	.2346-01										

TEST DATA	

0000				1/11/L	i i	1/14/1		5	- X	3	2	Ľ.
2				R=0.9	R=1.0	R-TAW	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	OEG. R
							FTZSEC	FTZSEC	FT2SEC	FT2SEC	/SEC	
_	1.0000	.27500	1.0000	. 1550-01	.1290-01	1720-01	.6740-03	.5604-03	.7500-03	.4460	4.615	545.5
9	1.0000	30000	2.0000	1300-01	10-0801.	10-0541	.5661-03	.4706-03	.6299-03	.3740	3.969	945.5
	1.0000	32500	3.0000	.1250-01	.1050-01	1400-01	.5479-03	.4556-03	.6096-03	.3630	3.722	544.9
	1.0000	35000	4.0000	.1250-01	.1040-01	1390-01	.5438-03	.4522-03	.6051-03	.3600	3.728	545.0
	1.0000	37500	5.0000	1190-01	50-006.	. 1320-01	.5170-03	.4298-03	.5754-03	.3420	3.589	545.8
	1.0000	40000	6.0000	. 1940-01	.1610-01	.2160-01	.8444-03	.7018-03	.9+00-03	.5570	5.709	547.3
	1.0000	2500	7.0000	.1820-01	.1520-01	.2030-01	.7944-03	.6601-03	.8844-03	.5230	5.413	548.0
	1.0000	.45000	8.0000	.2200-01	10-0281	.2450-01	.9567-03	.7947-03	.1065-02	.6300	6.419	548.8
	1.0000	4.7500	9.0000	10-0691	10-0141.	.1880-01	.7370-03	.6123-03	.8206-03	.4850	4.926	548.4
	1.0000	50000	10.000	.2210-01	1840-01	.2450-01	.9634-03	.8002-03	.1073-02	.6330	6.395	549.6
	1.0000	.52500	11.000	.2870-01	.2380-01	.3190-01	. 1248-02	.1036-02	1390-02	.8190	8.261	550.9
_	1.0000	.55000	12.000	.3110-01	.2580-01	.3460-01	.1353-02	.1123-02	.1507-02	.8870	8.873	551.0
_	1.0000	.60000	13.000	10-0644	.3720-01	.5000-01	. 1953-02	. 1619-02	.2178-02	1.268	12.76	557.5
	1.0000	.65000	14.000	.3230-01	.2680-01	.3603-01	.1408-02	.1169-02	. 1569-02	.9210	9.283	552.7
	1.0000	70000	15.000	.2970-01	.2460-01	.3310-01	. 1292-02	50-5701.	.1440-02	.8450	8.214	553.3
_	1.0000	75000	16,000	1730-01	.1430-01	1920-01	.7518-03	. 5243-03	.8374-03	.4930	4.981	550.6
	1.0000	.80000	17.000	.1130-01	.9400-02	.1260-01	.4917-03	.4083-03	.5475-03	.3230	3.122	549.6
	0000	28500	18,000	1550-01	. 1290-01	.1730-01	.676(-03	.5619-03	.7573-03	0211	5.231	546.2
	2.0000	.33700	19.000	. 1400-01	.1160-01	.1550-01	. 5080-03	.5055-03	.6767-03	0204.	4.733	545.9
	2.0000	39000	20.000	.2630-01	.2190-01	.2930-01	.1145-02	.9514-03	.1275-02	. 7530	8.857	5.64.5
	2.0000	.42600	21.000	.3110-01	.2580-01	.3470-01	.1355-02	.1125-02	.1510-02	.8870	10.36	552.1
	0000		000 00	1440-01	10-0055	10-0001	50-FR81	1552-02	50-65UC	500	13.61	יום איני

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DATE 07 OCT 75	27 T2		OH-74 (AEDC	0H-74 (AEDC V418-88A)		ATA ON ORB	HEATING DATA ON ORBITER FUSELAGE PORT	AGE PORT S	SIDE			PAGE 203
				OH-74 (AE	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19) 862C12F1	OM16W127E5	2V8R19				(RVB002)
		:	•		Ç	1.30m/n	(010)	5	E TAE	1000	DTMDT	7
S.	TRALE	×	2/1	H/HRE	- L	A.TAM	BTU/ R	BTU.	8TU/ R	BTU/	DEG. R	DEG. R
N N N N N N N N N N N N N N N N N N N					•	:	FT2SEC	FTZSEC	FTZSEC	FTZSEC)3S/	
Ğ	0000	53000	23.000	.4630-01	.3840-01	.5170-01	.2017-02	. 1672-92	50-6422.	1.311	14.50	557.1
8 6	2.0000	.56700	24,000	.3210-01	.2660-01	.3580-01	. 1 398-02	.1160-02	. 1557-02	0416.	9.891	552.8
3 6	5.5.000	.62000	25.000	.1880-01	.1560-01	.2090-01	.8177-03	.6791-03	.9107-03	.5370	5.818	550.2
8 6	2.3000	.67000	26.000	1440-01	10-0611.	1600-01	.6257-03	.5198-03	.6966-03	.4120	4.465	548.7
8 6	2.0000	70500	27.000	1110-01	.9200-02	.1240-01	.4844-03	.4024-03	.5392-03	.3190	3.427	548.1
9 6	2.0000	.75000	28.000	-0008	.6500-02	.8900-02	.3466-03	.2881-03	.3857-03	.2290	2.509	546.4
3 5	2.0000	80000	29.000	.5400-02	.4500-02	.6000-02	.2364-03	.1965-03	2631-03	. 1560	1.719	546.7
8 9	2.0000	.82400	30.000	.9000-03	.7000-03	.1000-02	.3755-04	.3120-04	٠٠١80-0٠	.2500-01	3440	547.4
6	3.0000	.20000	31.000	.3320-01	.2750-01	.3700-01	. 1444-02	-1197-02	.1610-02	.9390	9.833	556.6
9	3.0000	.22500	32.000	.2870-01	.2380-01	.3200-01	.1249-02	.1037-02	.1392-02	.8170	. 101 101	553.2
9	3.0000	.25000	33.000	.2210-01	.1840-01	.2460-01	.9632-03	.6000-03	.1073-02	.6330	1.07	7.646
9	3.0000	.27500	34.000	1700-01	.1420-01	1900-01	.7412-03	.6161-03	.8250-03	.4690	5.854	546.7
9	3.0000	.30000	35.000	.1560-01	. 1290-01	1730-01	.6775-03	.5632-03	.7540-03	.4480	5.539	545.8
9	3.0000	.32500	36.000	.1570-01	.1300-01	1750-01	.683:-03	.5679-03	.7602-03	.4520	5.291	545.8
9	3.0000	.35000	37.000	. 2550-01	.2120-01	.2840-01	-1111	.9231-03	.1237-02	.7320	8.475	548.1
9	3.0000	.37500	38.000	.3320-01	.2750-01	.3700-01	.1447-02	. 1201-02	.1611-02	06 .	11.10	550.6
9	3.0000	20004.	39.000	.3680-01	.3060-01	.4100-01	.1602-02	.1330-02	.1785-02	1.049	12.32	552.2
3	3.0000	. ~2500	40.000	.3240-C1	. 2690-01	.3610-01	.1409-02	.1169-02	. 1570-02	9250	10.87	336.8
9	3.0000	.45000	41.000	10-0664.	10-0515	.5560-01	.2172-02	. 1801-02	-25-25	۲ اجازی	5.0	556.5
9	3.0000	.47500	42.000	.3640-01	.3020-01	.4050-01	. 1583-02	1314-02	1764-02	1.034	7	555.0
9	3.0000	.50000	43.000	.2710-01	. 2250-01	.3020-01	.1180-02	.9799-03	1315-02	24/4	8.590	331.6
9	3.0000	. 52500	44.000	10-0681.	.1570-01	.2110-01	.8234-03	.6839-03	.9170-03	01.56	. 5. 5¢8	
9	3.0000	.55000	45.000	.1520-01	. 1260-01	.1690-01	.6597-03	.5481-03	7345-03	04340	4.6co	ם לים לים לים
9	3.0000	.60000	46.000	-8800-05	.74º0-02	.9800-02	.3851-03	. 3201-03	.4287-03	2540	6.75/	
8	3.0000	.65000	47.000	.6300-02	.5200-02	.7000-02	.2746-03	. 2282-03	. 3056-03	0181.	1.921	
9	3.0000	.70000	48.000	50-0074.	.3900-02	.5300-02	.2058-03	.1711-03	.2290-03	. 1350	000.	0.0.0
9	3.0000	.75000	49.000	.3300-02	-2700-02	.3600-02	.1426-03	.1186-03	. 1587-03	10-0046	1.0gb	7.44.
9	3.0000	.80000	50.000	. 1900-02	. 1600-02	.2100-02	.8314-04	.6913-04	.9251-04	10-0056	0680	1.0.0
9	3.0000	. 85000	51.000	.3400-02	.2800-02	.3800-02	.1478-03	. 1227-03	. 1645-03	10-0046.	1.200	יים קרים יים
9	3.0000	.87509	52.000	.2800-02	.2400-D2	.3200-02	. 1233-03	. 1024-03	.1573-03	10-001A	000.1	243.7
9	3.0000	.90000	53.000	.2000-02	. 1600-02	.2200-02	.0-1658.	.7134-04	+0-69c6.	10-0090	0.00	0.00
8	3.0000	. 92500	000 · ₹	3400-05	. 2900-02	. 3800-02	.1482-03	. 1230-03	50-0001.	10-00 F.	3,01	יים אני ער פיים אני
9	3.0000	.95000	55.000	-4800-0S	.4000-05	5400-05	.2112-03	.1754-03	-1655.	0861.		0.00
8	۴.0000	.20000	71.000	3840-01	.3180-01	.4283-01	. 1670-02	. 1382-02	. 1865-02	c/ D. I	16.17	000.0
9	4.0000	.22500	72.000	.3000-01	.2490-01	.3340-01	.1306-02	.1083-02	. 1456-02	. 8500	906.80 0	200.0
9	4.0000	.25000	73.000	. 330-01	. 1930-01	.2590-01	-1014-02	.8413-03	.1130-02	.6630	7.70	956.9
8 8	4.0000	.27500	74.000	10-0:	. 1840-01	.2+70-01	.9647-03	.8008-03	.1075-02	.6320	7.797	551.4
9	4.0000	.30000	56.000	.2010-01	10-0291	.2230-01	.8729-03	.7250-03	.9720-03	.5740	7.502	r
8	0000	32500	57.000	.3900-01	. 3230-01	.4350-01	. 1698-02	. 1408-02	. 1893-02	1.107	74.45	555.6
8 2	0000	.35000	58.000	.4810-01	.3990-01	.5370-01	.2096-02	. 1736-02	. 2338-02	1.358	17.66	559.2
8 2	4.0000	37500	59.000	.3180-01	.2540-01	.3540-01	. 1384-02	.1149-02	. 1542-02	9060	11.85	552.6
8 8	0000	40000	60.000	.2300-01	10-0161.	.2560-01	. 9995-03	.8299-03	.1113-02	.6560	8.563	550.9
8 8	4.0000	.42500	61.000	.1680-01	10-00-1	.1870-01	.7319-03	.6079-03	.8151-03	. 48 10	6.286	549.7
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DATE 07	DATE 07 OCT 75		OH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT	V418-88A)	HEATING [DATA ON ORE	JITER FUSEL		SIDE			PAGE 204
				OH-74 (AEC	X V418-89/	24-74 (AEDC V418-88A) BG2C12F10M16H127E5ZV9R19	10M16W127E	SZVBR19			•	(RVB002)
3	TRATE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	н(910)	н(10)	H(TAM)	1000	DTMDT	7
NUMBER				R=0.9	R=1.0	R-TAW	BTU/ R	BTU, R	BTU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FT2SEC	FT2SEC) SEC	
60	4.0000	.45000	62.000	10-0011.	.9200-02	. 1230-01	.4808-03	.3995-03	. 5352-03	.3170	£.095	548.0
90	۴.0000	.47500	63.000	. 7900-02	.6500-02	-0088 .	.3430-03	.2850-03	.3818-03	. 2260	€.874	547.5
9	4.1.000	.50000	64.000	.5200-02	.4300-02	.5800-02	. 2255-03	.1874-03	.2509-03	.1490	1.839	546.8
9	4.3000	.52500	65.000	.¥600-02	. 3800-02	.5200-02	.2015-03	.1675-03	. 2243-03	. 1330	1.645	546.5
9	4.0000	.55000	99.000	.4100-02	.3400-02	20-00947	.1785-03	.1484-03	. 1986-03	. 180	1.383	545.6
9	4.0000	.60000	67.000	.2800-02	.2400-02	.3100-02	.1232-03	. 1024-03	.1370-03	.8200-01	.9180	344.4
9	٠٠.0000	.65000	68.000	.2000-0S	.1700-02	.2200-02	.8707-04	.7243-04	.9687-04	.5800-01	.6770	543.8
9	۴.0000	.70000	69.000	.1000-02	.9000-03	-1100-02	+0-+8++.	.3730-04	40-886 4 .	.3000-01	.3310	543.9
9	4.0000	.75000	70.000	.1150-02	.9000-03	. 1300-02	.4923-04	40-2604	.5476-04	.3300-01	.3640	543.4
9	4.0000	00008	75.000	.1000-02	.9000-03	.1100-02	.4463-04	.3712-04	*0-996 * .	.3000-01	.3560	344.5
90	4.0000	.85000	76.000	.1300-02	.1100-02	. 1400-02	.5615-04	40-899 4	·0-6429·	.3700-01	0624	546.0
90	۴.0000	.87500	77.000	.2000-02	.1700-02	.2300-02	. 8924-04	.7417-04	.9932-04	.5900-01	.7710	546.7
9	4.0000	.90000	78.000	.2400-02	. 2000-02	. 2700-02	.1044-03	.8675-04	.1162-03	10-0069.	.8900	547.3
90	۴.0000	. 92500	79.000	. 2600-02	.2200-02	.2900-02	.1130-03	+0-68£6·	. 1258-03	10-001/	.9200	547.9
60	۴. 0000	.95000	80.000	.2200-02	.1800-02	.2400-02	.9527-04	+0-7197.	.1060-03	.6300-01	.7360	547.2

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				0H-74 (AE	DC V418-88	OH-74 (AEDC V418-88A) BG2C12F10M16W127E52V8R19	10M16W127E	52VBR19				(RV8002)
ORB17E6	ORBITER FUSE, AGE							PARAM	PARAMETPIC DATA			
					BETA	1.000	МАСН	8.000	ELEVON .	0000	RUDDER .	.0000
					••• 165	***TEST CONDITIONS***	Sn					
RUN	MACH	ALPHA DEG.	PS PS	T0 DEG. R	₽¥. 0€6.	YAH DEG.	↑ DEG. R	9 8 418	0 8 V I V	V FT/SEC	RHO St. UGS	HU LB-SEC
õ	7.990	¥.85	673.2	1342.	169.8	1.000	97.50	.7000-01	3.107	3865.	/F13 .5984-04	/FT2 .7847-07
RUN	RN/L XIO 6 /FT	HREF BTU/ R FT2SEC	STN NO R									
.	8. 9. 7	.4353-01	.2348-01		•	**************************************	:					
Ş	TRACE	×'Ł	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAH)	1000	DTMDT	
NUMBER				R=0.0	8-1 .0	R-14H	BTU/ R	BTU/ R	BTU/ R	81U/ F12SFC	DEG. R	DEG. R
19	0000	.27500	1.0000	. 1650-01	.1370-01	.1840-01	7194-03	.5985-03	.8003-03	.4780	4.950	543.9
9	1.0000	. 30000	2.0000	.1430-01	1190-01	1600-01	.6245-03	.5195-03	.6947-03	.4150	4.399	543.8
19	1.0000	32500	3.0000	.1120-01	.5300-02	. 1250-01	.4892-03	.4070-03	.5441-03	. 3250	3.337	543.4
19	1.0000	.35000	٠, 0000	. 1300-01	1080-01	10-03-1	.5642-63	.4693-03	.6276-03	.3750	3.883	543.7
5	1.0000	.37500	5.0000	. 1820-01	10-0261.	20-01-01	9398-03	50-85CO.	50-1588	0220	5.382 6.382	545.7
5 6	1.0000	00004.	7.0000	.1650-01	. 1380-01	1850-01	.7242-03	.6021-03	8059-03	4790	₹.960	546.2
	1.0000	00054	8.0000	. 1640-01	.1530-01	.2050-01	.8002-03	.6653-03	.8905-03	.5300	5.438	545.9
9	1.0000	.47500	9.0000	.2490-01	.2070-01	.2780-01	.1085-02	.9020-03	. 1208-02	.7160	7.268	548.2
19	1.0000	.50003	10.000	.2240-01	. 1860-01	.2490-03	.9743-03	.8097-03	.1085-02	.6430	6.501	547.7
19	1.0000	.52500	11.000	.2820-01	.2340-01	.3130-01	. 1225-02	.1018-02	. 1364-02	.8090	8.173	547.9
<u>19</u>	0000.1	.55000	12.000	.3480-01	. 2890-01	.3870-01	.1514-02	. 1258-02	. 1685-02	.9970	9.979	540.2
9	1.0000	.60000	.3.000	.2400-01	10-0661.	.2670-01	.1043-02	.8659-03	.1161-02	.6860	6.924	553.0
19	1.0000	.65000	14.000	.3340-01	.2780-01	.3723-01	.1455-02	. 1208-02	. 1620-02	. 9560	9.648	550 7
.	1.0000	. 70000	15.000	10-0771.	14-01-01	10-0761.	.7697-03	.6396-03	.8568-03	.5080	4.953	2¥8 0
9	1.0000	.75000	16.000	-8000-05	.6700-02	-8900-05	.3498-03	. 2908-03	. 3892-03	. 2320	2.344	343.5
<u> </u>	1.0000	.80000	17.000	.2300-02	.1900-02	.2600-02	.1007-03	.8376-04	.1121-03	.6700-01	.6450	546.1
19	2.0000	. 28500	18.000	1700-01	10-01:1.	10-0581.	.7396-03	.6152-03	.8238-03	0164.	5.758	£3.9
19	2.0000	.33700	19.000	.1520-01	.1260-01	10-0691	.6612-03	.5499-03	.7356-03	4390	5.170	544.3
9	2.0000	.39000	20.000	.2800-01	.2330-01	.3120-01	.1220-02	.1014-02	. 1358-02	.8060	9.495	547.0
9	2.0000	.42600	21.000	.2250-01	1870-01	2510-01	.9807-03	.8150-03	.1092- 02	.6470	7.575	547.8

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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATE 07 OCT	7 0CT 75		OH-74 (AEDC V418-88A)	. V418-88A)	HEATING D	ATA ON ORE	ITER FUSEL	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	30.5			PAGE 205
				OH-74 (AE	04-74 (AEDC V418-88A) 862C12F10H16W127E52V8R19	N BB2C12F1	OM16W127ES	12V8R19				(RVB002)
RUN	TRACE	x/r	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R=TAW	H(910)	H(TO) BTU/ R	H(TAH) BTU/ R	910/	01401 050, R	TH DEG. R
į	6	0002	000 10	10-0867	10-0176	3640-01	F145EC	1180-02	. 1583-02	.9340	10.37	550.6
ōē	0000	56700	24,000 48	.2280-01	10-0691	. 25to-01	.9924-03	8244-03	1105-02	0469.	7.087	549.0
i ē	2,0300	.62000	25.000	10-0421.	10-0441.	10-0261	.7566-03	.6289-03	.8421-03	.5000	5.425	5-7.0
ő	2.0000	.67000	26.000	.8100-02	.6700-02	-9000-02	. 3522-03	. 2929-03	.3919-03	. 2330	2,536	544.9
ő	2.0000	.70500	27.000	.6000- 02	.5000-02	.6700-02	.2625-03	.2184-03	. 2920-03	. 1740	1.875	544.0
9	2.0000	.75000	28.000	. 3800-02	.3100-02	50-00Zh.	.1633-03	.1359-03	.1817-03	0601.	1.193	542.8
9	€.0000	.80000	29.000	.2603-02	.2200-02	-2000-05	.1148-03	.9548-04	.1277-03	.7600-01	.8400	543.9
19	€.0000	.82400	30.000	. 1000 -05	.8000-03	20-0011	.4236-04	.3523-04	40-414-	10-7382.	3910	5.57.5
19	3.0000	.20000	31.000	. 3400-01	.2820-01	10-06-62	- 1481 - 02	1229-02	50-0591.	00/5	30.0	
<u>.</u>	3.0000	00055	32.000	10-02-62	10-0443	25.70-01	.9862-03	.8198-03	.1098-02	.6520	7.290	546.6
i ú	2000	יייייייי	36.000	1240-01	1450-01	10-0461.	.7573-03	.6298-03	.8425-03	.5020	6.016	944.4
5 6	3.0000	30000	35.000	1440-01	1200-01	10-0091	.6257-03	.5276-03	. 6960-03	.4160	5.149	5+3.2
Ģ	3.0000	. 32500	36.000	.2090-01	10-0-61	.2320-01	.9088-03	.7558-03	-1011-02	.6030	7.063	544.7
19	3.0000	.35000	27.000	.3120-01	.2590-01	.3470-01	. 1359-02	.1129-02	.1512-02	. 8980	10.41	546.5
9	3.0000	.37500	38.000	.3220-01	.2670-01	.3580-01	.1400-05	.1164-02	.1559-02	.9240	10.82	547.7
9	3.0000	0000 1 .	39.000	.2140-01	.1780-01	.2380-01	.9305-03	.7737-03	.1036-02	.6160	7.252	545.0
61	3.0000	. 42500	\$3.00g	.4080-01	.3380-01	.4540-01	50-4741.	.1473-02	50-976.	1.164	7	7.100
9	3.0000	60054.	41.000	.3090-01	. 2560-01	. 3430-01	50-0481.	.1113-02	50-1641.	0440	91.00	940.+ 810.0
9	3.0000	.47500	4≥.000	2900-01	.2~10-G;	. 3230-01	. 1262-02	50-6401.	50-5041.	טיינים.	יים פיים פיים	יי מיונ מיוני
6	3.0000	. 50000	43.000	.2530-01	10-0012.	. 2820-4.	20-1011.	50-0515.	7206-02	00011	5.039 - 154	ייים אוני אוני אוני
9	3.0000	. 52503	000.44	. 1530-01	10-0/21.	1700-01	50-0-03	. 3569-03	. /390-03	00.5	3.859	מינו. מינו.
<u>.</u>	3.0000	00005	45.000 41.000	10-0051.	10-0001.	7800-02	3036-03	2526-03	.3377-03	. 2020	2.193	543.4
	3.6000	. 65000	42.000	5300-05	20-0044	5900-02	. 2328-03	.1937-03	.2589-03	. 1550	: .643	542.7
ē	3.0000	79990	48.000	3200-02	.2500-02	.3500-02	.1383-03	.1151-03	.1538-03	.9200-01	1.016	542.3
<u>.</u>	3.0000	.75000	49.000	-0- cozz .	. 1800-02	.2400-05	.9456-04	+0-0484 .	. 1052-03	.6300-01	.6950	
ő	3.0000	60008.	50.000	. 1900-02	.1600-02	.21CO-02	.8277-04	.6886-04	.9206-04	.5500-01	0065.	343.1
9	3.0000	.85003	51.000	50-054:	. 1200-02	. 1600-02	.6233-04	-5183-04	7156-04	10-0014	טטוב. הפקק	340.4 A45.4
 Q	3.0000	.87509	52.000	20-0061	20-00-1	20-0091	40-55-64	40-50-50	10-B489	4100-01	.5660	546.7
ب مَ	3.3000	00000	55.000 FF 600	40-00t1	20-00-1	1900-02	7341-04	-6103-04	.8170-04	10-0064	.6350	546.5
ē	0000	. 95000	55.000	. 1900-02	. 1500-02	-2100-52	.8065-04	.6706-04	.8975-04	.5300-01	.5400	545.8
ý	4.0003	. 20005	71.330	.3620-01	.3000-01	10-0404.	.1578-02	. 1307-02	.1759-02	1.025	:1.62	558.3
.	4.0000	22500	72.000	10-0582	.2360-0:	.3170-01	. 1240-02	. 1029-02	.1381-02	.8120	474	553.1
6	4.0000	.25030	73.000	.2310-01	1920-01	.2570-01	.1006-02	.8355-03	.1120-02	. 5620	7.733	950 R
51	4.059C	27500	24.000	.26:0-01	10-0113.	.2910-01	.1136-02	.9432-03	. 1255-02	6/4/	0 i	330.E
9	0000 ⋅	30000	56.000	.2530-01	.2:30-9:	.2910-01	. 1 i 00 - 02	.9137-03	20-1221	000	י ל לי לי	יי טאַני ט טאַני
9	C000 x	.32500	£7.002	.3750-01	3120-01	10-0614.	. 1637-02	.1359-02	1824-02	5.0.5	20.5	376.0
19	÷.9000	. 35000	58.500	10-322	.2300-01	30-0805.	. 1205-02	50-1001	1842-06	386.	20.00	יי האיני ה מאיני
63	4.0000	.37500	59.69	.2610-01	10-5/15.	10-0165	50-760	20-14-6	27-09211	55.50	9.00	34.7
1 0 0	4.0030	00007	60 000	10-0216-01	10-0261	1430-01	.5581-03	.4541-03	.6211-03	3700	. 8.0	545.55
ū	. oooo	000 %			· · · · · · · · · · · · · · · · · · ·			; ;				

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DATE 07	DATE 07 OCT 75		OH-74 (AEDS V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT	V418-88A)	HEATING D	DATA ON ORE	ITER FUSEL	AGE PORT S	SIDE			PAGE	
				CH-74 (AEC	OH-74 (AEDC V418-88A) BG2C12F10M16H127E52V8R19	1) B62C12F1	3751H31H0	52V8R19				(RVB002)	(20
\$	TRAL E	×/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HCTAW)	000 1114	OTMOT DEG. R	₩. DEG.	
NUMBER				D)	D.	¥ .	FTZSEC	FT2SEC	FTPSEC	FT2SEC	/SEC		
ā	1	45,000	62,000	50-0078.	.7200-02	- 3600-02	.3770-03	.3'36-03	£0-4614.	.2500	3.238	D. 3.5	
5 2	0000	47500	63,000	.6600-02	.5500-02	.7300-02	.2870-03	.2388-03	.3193-03	0161.	2.427	۳. س س	
5 4	0000	50000	000.49	5300-02	20-0044	.5900-02	.2299-03	. 1912-03	.2557-03	.1530	1 <u>6</u> 6 7	a. M.	
; ,	0001	0056	65.000	50-0044.	. 3500-02	50-006h.	.1903-03	. 1534-03	.2117-03	.1270	1.566	2+M	
5 4	0000	55000	66.000	.3300-02	. 2800-02	.3700-02	.1455-03	.1210-03	.1618-03	10-0026.	1.135	542.7	
	0000	.60000	67,000	-2000-05	50-0011.	-2300-05	40-4068 .	74-11-04	+0-2∪ 6 6.	.5900-01	.6680	54 . B	
; ū	2000	65000	68.000	.9000-03	.8000-03	.1000-02	. 3978-04	.3311-04	*0-+8**.	.2700-01	.3110	4. 	
, i	0000	2000	69.000	.1100-02	.9000-03	. 1200-02	.4655-04	.3874-04	.5177-04	3100-01	.3460		
5 4	2000	25000	70.000	.1600-02	.1403-02	. 1800-02	-1707.	·5884-04	.7863-04	10-00:4.	. 5250	545.	
ก็น	2000	00000	75.000	£0-0006	.86-0-03	.1000-02	40-1504	.3354-04	+01844.	.2700-31	. 3220	543.7	
		00000	000.95	1700-02	1460-02	.1800-02	.7236-04	.6020-04	+0-6+08	10-0084.	.5700	5+M.F	
5 6		. ממאנים	000.57	1100-02	9000-03	.1300-02	40-116h.	40-5804	.5+65-04	.3300-01	.4870	B. 1.	
ō (0000	0000	000	50-0011	50-0006	1200-02	.4828-04	4014-04	.5372-04	.3200-01	0 1 15.	545.5	
<u>.</u>	0000	00000	2000	CO-0021	1100-02	1500-02	-3846-04	4851-04	.6505-04	10-006£	.4790	545.3	
; i	2000	00000	80.003	50-3062	2400-05	.3200-02	. 262-03	1049-03	.1405-03	10-00+8.	.9780	546.1	
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DATE	DATE 07 OCT 75		OH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	V+18-88A)	HEATING	DATA ON OR	BITER FUSEI	AGE PORT	SIDE			PAGE 208
				OH-74 (AE	C V*18-88	A) B62C12F	04-74 (AEDC V418-88A) 862C12F10M16W127E52V9R19	52V8R19				(RV8502)
18W0	ORBITER FUSE: AGE	5 4						PARAM	PARAMETRIC DATA			
					BETA	1.000	HACH	8.000	ELEVON	0000	RUDDER .	.0000
					531···	***TEST CONDITIONS***	S					
RUN	HACH	ALPHA DEG.	8 <u>8</u>	70 UEG. R	₩ 66.	YAH DEG.	T 0£6. R	P PSIA	o Aï&	V FT/SEC	RHO SLUGS	HD LB-SEC
£6	8.000	19.91	805.6	1350.	174.3	-1.000	97.80	.8300-01	3.697	3877.	/FT3 .7077-04	7876-07
RUN NJMBER	RN/L ER X10 6	HREF BTU/ R FT2SEC	STN NO R. 8.									
86	w. 592.	.4753-01	.2160-01									
					•	***TEST DATA***	:					
RCN	TRACE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	HC 70)	HCTAN	1000	TOMLO	1
MJYBER				R=0.9	R=1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. A
;	•				6000	e e	FIESEC	1.703-63	F 1636C	7500	/36.C	9
\$6 \$6	1.0000	30000	2.0000	10-0111.	.8300-02	1120-01	.773-03	. 3967-03	.5314-03	3170	3.350	551.1
16	_	. 32500	3.0000	.8100-02	.6700-02	. 9000 - 02	. 3837-03	.3190-03	. ~270-03	. 2550	2.613	549.8
93	_	.35000	٠. 0000	.8700-02	.7200-02	.97.0-02	.4136 03	3439-03	.4604-03	.2750	2.8 ² 3	8.0.0
£6.	.0000	.37500	5.0000	-0356.	50-0097.	10-0201.	4350-03	3926-03	5257-03	0582	3.216	0.40.0 0.40.0
9 69		00554	7.0000	50-0016.	.7600-02	1010-01	.4326-03	.3593-03	.4810-03	.2870	2.970	549.8
26		.45000	8.0000	1590-01	.1320-01	.1770-01	.7567-03	.6287-03	.8424-03	.5020	5.11	551.5
93	_	.47500	9.0000	16-0751.	1300-01	.1750-31	.7454-03	.6193-03	.8298-03	.4950	5.012	551.5
93	-	.500c3	10.000	1470-01	1220-01	. 1630-01	.6973-03	.5796-03	. 7762-03	.4530	4.677 5.51	550.6
56 6	0000	, 25000 F5000	1000	10-04/17	10-0-01	10-0512	50-8996.	.7781-03	1042-02	62.0	6.212	551.4
F 65		.60000	13.000	.2:10-01	1750-01	.2350-11	1004-02	.8341-03	.1118-02	.6950	6.704	552.8
93	_	.65000	14.000	10-0755.	10-0175.	.3643-0;	.1553-02	. 1290-02	.1730-02	1.028	10.35	553.4
83	_	. 70000	15.000	.6390-01	5300-01	.7130-01	. 3038-02	.2519-02	.3387-02	1.992	X 5	559.2
93	_	. 75000	16.000	10-0455.	10-05-44.	10-0066.	50-750-	50-4015.	20-6282	700.7	10.03	360.0
26	1.0000	90000	9 500	10-0625.	9800-02	1310-01	.5588-03	. 4642-03	.6232-03	.3700	4.320	552.7
e d	1 (33700	19.000	10-0+01	.8600-02	10-0911	.4937-03	.4102-03	5485-03	.3270	3.845	551.7
93		39000	20.000	10-0901	.8800-02	10-0811.	.5048-03	.4196-03	.5619-03	.3350	3.940	550.7
26		. 42630	21.000	10-0012.	10-04/17	.2340-01	.9986-03	.8291-03	.1112-02	.6600	7.69+	554.4
93		00874.	55.000	.2010-01	.1670-01	.2230-01	.9535-03	. 7920-03	. 1062-02	.6316	7.000	552.9

The second secon

DATE 07	27 130 70		OH-74 (AEDO	04-74 (AEDC V418-88A)	HEATING D	ATA DN ORE	IITER FUSEL	HEATING DATA ON DRBITER FUSELAGE PORT SIDE	301			PAGE 209
				OH-74 'AE	04-74 'AEOC Y418-88A) BERCIZFIOMISHIZTESZVBR19	BEPCIZE	OH164127ES	2V8R19				(RVB002)
ă	1.401	×	0N 3/1	H/HREE	H/HREF	H/HREF	H(910)	H(10)	H(· AM)	1000	07470	3
NUMBER	i i	i	! ?	R=0.9	R=1.0	R=TAW	31U/ R	ETU/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FTPSEC	FT2SEC	FTESEC	235. 	0
93	2 .0000	.53000	23.000	3190-01	.2640-01	.3550-01	50-4151.	57-02	1687-02	0966	CD . 1.1	9.000
66	5.0 000	.56700	۸. 000	10-0204	.3340-01	16-0844.	50-1161.	20-9961	- KICS-04		65.23	.00CC
65	2 .r300	.62000	25.000	.7750-01	.6420-01	.8650-01	. 3584-02	50-6-05	50-5114.	5.590	53.08 50.01	305.3 656.3
6	€.3000	.67000	26.000	.3550-01	. 2960-01	.3970-01	.1693-02	-1405-02	- 1 88 5-02	c : : :	16.04	5.000
93	2 .3000	.70500	27.000	:0-0261.	. 1630-01	.2190-01	.9341-03	.7760-03	20-0501.	.6190	6.637	552.1
93	5.0000	.75000	28.000	1150-01	-8500-05	.1280-01	.5449-03	.4530-03	.6064-03	. 3630	3.969	549.4
93	€.0000	.80000	29.000	.1120-01	.9300-02	. 1250-01	.5345-03	.4443-03	.5950-03	.3550	3.907	550.5
93	€.0000	.82400	30.000	50-030h.	.3400-02	.4500 DZ	19.7-03	.1593-03	. 213 3-03	. 1280	1.7.0	5+9.8
66	3.0000	.2000	31.000	.2640-01	10-0612.	. 2950-01	. 1257-02	1042-02	. 1401-02	.8240	8.680	555.1
93	3.0000	.22500	32.000	.2150-01	.1780-01	.2390-01	.1020-02	.8462-03	.1137-02	.6700	7.443	558.6
93	3.0000	.25000	33.000	. 1550-01	1.1290-01	1730-01	.7368-03	.6:15-03	.8209-03	.4860	5.406	555.7
93	3.0000	.27539	34.000	. 1260-01	10-0-01	10-00-1	.5980-03	.4966-03	.6659-03	. 3950	4.712	553.8
55	3.0000	30000.	35.000	10-0-01	.8600-02	1160-011	.4932-03	.4097-03	.5491-03	.3270	4.027	552.5
93	3.0060	.32500	36.000	10-0411.	.9500-02	.1270-01	.5420-03	.4502-03	.6034-03	.3590	4.193	552.4
93	3.6000	.35000	37.000	1150-01	-9500-02	. 1280-01	.5446-03	.4524-03	.6063-03	.3610	4.172	552.1
93	3.0000	.37500	38.000	.1450-01	.1210-01	. 1620-01	.6897-03	.5730-03	.7679-03	.4570	5.339	552.1
93	3. 1000	00004.	39.000	.2270-01	1880-01	.2520-01	.1077-02	.8443-03	.1199-02	30.17.	8.366	52.8
93	3.00.00	.42510	40.000	.2510-01	.2090-0;	.2800-01	.1194-02	.9916-03	.1331-02	ეგე .	9.288	555.1
93	3.0000	.45000	41.000	10-0612.	.2320-01	.3110-01	.1325-02	.1100-02	.1476-02	.8750	9.953	554.2
93	3.0000	. 17500	42.000	. 3820-01	.3170-01	. +c 60-01	. 1816-02	. 1507-02	-2024-02	1.195	13.22	55".1
£6	3.0000	.50000	43.000	.5180-01	10-0014	.5780-01	.2463-02	.2042-02	-2745-02	1.615	17.85	559.3
93	3.0000	.52500	44.900	10-0427.	10-0009	.8080-01	. 3442-02	.2851-02	.3840-02	2,242	26.03	563.7
6	3.0000	.55000	45.00C	.7230-01	.5990-01	.8080-01	.3438-02	. 2845-02	.3838-02	2.25	يخ. ا خ	567.5
33	3.0000	. 50003	46.000	.2869-01	.2380-01	.3190-01	. 1361-02	.1130~02	.1515-02	. 9000	3,738	553.3
93	3.0000	.65000	47.000	.1550-01	.1290-01	.1730-01	.7389-03	.6142-03	.8225-03	0164	5.192	5.0.5
93	3.0000	.70000	48.000	.1020-01	.8530-02	.1140-01	.4865-03	.4045-03	.5414-03	. 3240	3.562	549.3
93	3.0000	.75000	49.000	. 7600-cć	.6300-02	-8400-05	.3605-03	.2998-03	.4012-03	.2400	2.603	549.0
93	3.0000	.80000	50.003	.6900-02	.5653-02	.7600-02	.3225-03	.2681-03	.3589-03	.≥150	2.293	4.040
93	3.0000	.85000	51.000	.8300-02	6900-02	.9300-02	. 3955-03	. 3286-03	.4402-03	.2620	3.236	551.3
93	3.0000	.87509	52.000	. 1220-01	10-0101.	.1360-01	. 5804-03	.4820-03	7463-03	.3840	£.729	553. ,
93	3.0000	.90000	53.000	. 7600-02	.6300-02	.8×00-92	.3606-03	.2:195-03	.4016-73	. 2390	3.307	553.3
93	3.0000	.92500	54.000	. 1200-01	.9900-02	.1330-01	.5693-03	.4726-03	.634i-C.	.3760	006.9	554.6
93	3.0000	.95030	55.000	1420-61	1180-01	10-0851	.6755-03	.5009-03	.7523-03	. 1160	4.497	554.2
93	₹.0000	.20000	71.000	3410-01	.2820-01	.3803-01	.1619-02	.:340-0₽	-1807-02	1.050	11.87	566.2
93	٠٠ ، 0000	. <2500	72.000	.2600-01	.2160-01	.2930-01	. 1237-02	.1025-02	. 138¢-02	.8070	9.376	562.7
93	4.000 J	.25000	73.000	10-0761.	. 1630-01	.2190-01	.9342-03	.7745-03	. 1042-02	.6120	7.116	560.1
693	00000°	.27599	74.000	. 1550-01	. 1280-01	.17.20-01	.7347-03	.6095-03	.8189-03	.4830	5.930	558.2
93	% . 0600	30000	56.000	. 1320-01	10-0601	10-0641.	.6253-03	.5191-03	.69%-03	. 4130	5.377	555.2
93	٠.0000	32500	57.000	16-06-01	10-01-1	10-0681	.8055-03	.6685-03	.6973-03	.5310	6.917	555.8
93	۴.0000	.35000	58.000	.3053-01	.2530-01	3+00-01	-1449-02	.120-1-021	.1615-02	9510	12.36	558.8
54	4.0000	37500	59.000	10-0174	.3660-01	.4920-01	. 2097-02	50-6571.	.2338-02	1.372	7.0	560.5
93	4 . 00no	000 0 4.	60.0º0	.6796-01	.5620-01	10-0757.	. 3225-02	.2670-02	.3600-02	5.091	27.10	566.6
83	٠. 0000	.42500	61.000	.7740-01	.6400-01	.8350-01	.3680-02	. 3042-02	.4112-02	2.366	30.57	572.1

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0.16 0	D' TE 07 OCT 75		OH-74 (AEDC	W1B-86:3	HEATING (DATA ON OR	HEATING DATA ON ORBITER FUSELAGE PORT	AGE PORT S	S10£			PAGE 210
				OH-74 IAE	24-74 IAEDC V418-88A) BGZC12F1DM16W127E5ZVBR19	N BESCIEF	OMIGNIZTE!	2VBR19				(RNEL 9.2)
3	TRATE	хV	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(T0)	HCTAW	1000	DTMDT	2
NUMBER				R=0.9	R-1.0	R-TAL	BTU/ R	BTU/ R	BTU, R	BTU/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FT2SEC	FTPSEC	/SEC	
16	4.0000	45000	62.000	.5300-01	.4390-01	10-0165.	2519-02	. PN87-02	.2810-02	1.643	21 .08	562.9
88	0000.	47500	63.000	. 4.50-01	10-0075.	.3620-01	.1545-02	. 1282-02	1722-02	1.016	12.94	557.7
65	4.000	20000	64.000	. 1850-01	1540-01	.2050-01	.87:77-03	.7297-03	.9785-03	.5810	7.155	553.8
6	, J000	52500	65 000	14-00-01	.1180-01	1580-01	.6729-03	.5590-03	.7492-03	.4360	£9¥.€	552.5
8	. 0000	25000	65.000	. 1240-01	. 1030-01	1380-31	.5912-43	.4913-03	.6581-03	. 3920	4.58v	551.3
. E	* 0000	.60000	67. noo	.8300-02	.6900-02	.9200-02	.3949-03	. 3283-03	.4395-03	.2730	2.950	549.4
× 6	\$.000g	.65000	68.000	.7000-02	.5900-02	. 7800-02	.3346-03	.2782-03	.3723-03	. 2230	2,608	548.7
50	. 0000	70000	69.000	.6100-02	5000-05	.6700-02	.2981-03	. 2396-03	. 3205-03	. 1920	2.135	5.8.2
6	4.6006	75000	70.000	-0024.	.3500-02	56-0094.	1978-03	.1645-03	50-1022	. 1320	1.46+	549.0
56	4.0000	. 80000	75.000	. 1630-02	.1300-02	.1800-02	.7682-04	.6385-04	.8550-04	.5100-01	.6130	550.1
20	0000	.85000	76.000	.3760-02	.3000-02	50-001n.	.1744-03	. 1449-63	1541-03	. 1160	1.369	550.3
26	C0000	a7500	77.000	S0-0004.	.3300-02	-4500-02	. 1903-03	. 1561-03	.2119-03	. 1260	1.645	552.5
5	0000	00006	78.000	500-05	500-054.	. 6900-02	.2573-03	.2136-03	. 2865-03	.1700	2.135	553.9
č	0000	92500	79.000	.3:00-92	.2600-02	.3500-02	.1477-03	. 122	.1645-03	10-0086	1.204	553.2
25	4.0000	95000	80.000	-5300-05	.1900-02	.2600-02	.1112-03	.9235-04	. ! 238-03	.7+00-01	.8580	553.6

							100000000000000000000000000000000000000					00000
				20		+18-38A) 062C12F10M16W127E52YBR19	10M16W127E	5278R19				(RV9002)
OR3112F	ORBITZR FUSELAGE							PARAM	PARAMETRIC DATA			
					BETA	1.000	HACH	8 .000	ELEVON .	0000	* NODER .	0000.
					•••165	***TEST CONDITIONS***	•••\$					
RUN M.JMBER	MACH	ALPHA DEG.	PS:A	70 DEG. R	941 066.	YAH DEG.	ر. 200	a S	0 A184	v FT/SEC	RHO SLUGS	735-87 HA
đ.	8.000	24.86	907.1	1352.	-169.7	1.000	98.0v	.8300-01	3.704	3880.	7080-04	7888-07
SG.	RN/L	HREF	STN NO									
NUMBER	X10 6	B) U/ R	R. 57.10									
å	3,483	4759-01	.2160-01									
					•	**************************************	:					
2	TRACE	x /۲	1/C ND	H/HREF	H/HRCF	HYHREF	н.9101	HC 10)	H(TAH)	7000	DTWDT	3
NUMBER				R=0.9	R-1.0	R. TAH	81U/ R	BTU/ R	BTU/ 14	910/	DEG. R	0EG. R
							FT2SE:	FT2SEC	FIZSEC	FT2SEC	75.0	
₹,	1.0000	.27500	. 0000	.1550-01	10-0621	.1730-01	.7389-03	.6137-03	.8228-03	0064.	5.051	553.0
ま	1.0000	30000	€.0000	.1310-01	10-0601.	1460-01	. 6226-03	.5173-03	.6932-03	.4130	4.364	553.1
ሕ	1.0000	.32500	3.0000	.0-070	-0068	.1200-01	.5111-03	.4250-03	.5693-03	3400	3.475	552.2
ቆ	1.0000	.35000	¢.0000	.1170-01	-0016.	1300-01	. 5546-03	.4608-03	.6174-03	.3680	3.801	552.6
ģ	1.0000	37500	5.0000	1.500-1.	10-0001.	1340-01	.5719-03	. 4752-03	.6367-03	3800	5.975	0.00
.	1.0000	00004	6.0000	10-0221.	1010-01	. 1350-01	ביו-נישכי	50-1584.	20-8CP0.	. 385U	5.946 5.974	30,00
ħ đ	1.0000	מטטנה.	9.0000	10-0581	10-0461	.20705.	E0-6888.	.7342-03	69-3-03	.5860	5.957	554.0
. .	1.0000	.47500	€ 0000	1830-01	1520-01	.2040-01	.8702-03	. 7228-03	.9690-03	.5770	5.839	553.9
ត់	1.0000	. 50003	10.000	.2249-01	1850-01	.2500-01	.1066-02	.8857-03	.1187-02	0707.	7.127	553.E
å	1.3000	.52500	11.000	.2150-01	10-0821.	.2390-01	. , 022-02	8~90-03	.1138-02	.6770	6.825	334.
ሪ	1.0000	.55000	12.000	.2350-01	. 1950-01	.2620-01	.1120-02	.9303-03	.1247-02	05tr.	7.414	553.9
đ,	1.0000	.60000	13.000	.3080-01	.2560-01	.3430-01	.1465-02	.1218-02	. 1633-02	.9700	9.763	555.5
å	1.000	.65000	14.000	.5570-01	.4520-01	.6213-01	. 2652-02	. 2200-02	. 2955-02	1.745	17.54	558.8
ኔ	1.0000	00002.	15.000	.7523-01	.6230-01	.8390-01	.35. ^-02	.2953-02	. 3992-02	2.331	72.54	565.3
ģ	1.0000	.75000	16.000	.4593-01	.3810-01	.5120-01	.2164-02	. 1811-02	. 2434-02	-, ₹ 3¥	14.4	560.
š	1.0000	.80000	17.099	.2270-01	.1880-01	.2530-01	.108,-02	.8970-03	. 1204-02	7140	6.871	556.3
ž	2.0000	.28500	19.000	10-0641	. I 240-01	.1660-01	.7093-03	. 5889-03	.7930-03	0694.	5.469	555.4
¥	2.0000	.33700	19.000	10-01+1.	1170-01	1570-01	.67103	.5577-03	.7479-03	.4450	5.214	554.6
å	€.0000	39000	20.000	.2100-01	10-0461.	.2346-31	.3984-03	.8289-03	.1112-02	.6600	7.735	355.7
å	2.0000	מטצמיו	000	24.70-01	. 0	2360		0 0		0000	ć	7
			2000	101011	10-0000	10-00/2.	20-5/ 11.	70-51.5.	. 1 30G-00	20//.	, c	0.00

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

				0H-74 (AEE	X V418-88A	1) B62C12F1	04-74 (AEDC V418-88A) BG2C12F10M1GW127E52V8R19	2V8R19				(RvB002)
ã	164.75	5,	ON 3/1	H/HREF	H/HREF	H/HREF	H(9T0)	, 0	H(TAH)	1000	DTMOT	1
	יאלר.	ì	2	R*0.9	R-1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
,				1			FT2SEC	FT2SEC	FT2SEC	FT2SEC	7580	
10	9 0000	53000	23,000	.4300-01	.3570-01	10-0674	.2046-02	. 1597-02	. 2281 - 02	7.344	14.85	559.8
ā	0000		24.000	. 7910-61	.6540-01	.8820-01	.3762-02	.3114-02	.4199-0 2	2.446	26.28	566.7
, a	0000.4	62000	25.000	.7030-01	.5820-01	10-0484	.3343-02	.2768-02	.3730-02	2.176	23.39	565.9
i đ	0000	67000	26.000	.2500-01	.2070-01	.2780-01	.1188-02	.9862-03	. 1323-02	. 7850	8.484	555.7
. 4	0000	.70500	27.000	1720-01	10-05+1.	10-0161.	.8165-03	.6781-03	.9092-03	.5410	5.794	354.1
. 8	0000	75000	28.000	10-0121.	10-0101.	1350-01	.5767-03	.4792-03	.6421-03	.3830	4.187	552.5
; 1	0000	. 80000	29,000	1630-01	.1020-01	1370-01	.5856-03	.4865-03	.6520-03	.3890	4.269	552.9
; 8	0000	82400	30.000	50-024.	3900-05	.5200-02	.2210-03	.1843-03	.2470-03	.1470	₽.0 <u>4</u> :	553.1
. 8	3.000	. 20000	31.000	.3230-01	. 2680-01	.3600-01	.1536-02	.1273-02	.1713-02	1.006	10.58	561.5
5 8	3.0000	. 22500	32.000	.2810-01	.2330-01	.3130-01	.1336-02	.1108-02	.1489-02	.8770	9.733	560.6
ŧ	3.0000	. 25000	33.000	.2050-01	1700-01	.2280-01	.9752-03	.8091-03	.1087-02	.6450	7.135	528.5
đ	3.0000	.27300	34 000	1610-01	.1330-01	1790-01	. 7641-03	.6343-03	.8513-03	. 5050	9.009	556.4
ð	3.000	30000	35.000	1410-01	.1170-01	1570-01	.671:-03	. 5572-03	.7475-03	0111.	5.463	555.3
6 6	0000	20505	36.000	1500-01	.1250-01	.1670-01	.7143-03	.5931-03	. 7956-03	.4720	5.507	555.5
i d	, 0000 1	3550.0	37.000	1530-01	1270-01	1710-01	.7299-03	.6060-03	.8129-03	.4830	5.573	555.1
i	0000 ×	37500	38.000	10-0857	. 2230-01	.2990-01	. 1277-02	. 1050-02	.1423-02	.8430	9.819	556.9
ĥá	2000	00007	39.000	3050-01	.2530-01	.3400-01	.1453-02	. 1206-02	.1619-02	. 9590	.: ₹.	556.6
ĥá	3.000	טטטטי.	000	3450-01	.2860-01	.3850-01	.1642-02	. 1362-02	.1830-02	1.079	12.68	559.9
ħ á	3.0006	00034	41.000	10-0914	.3450-01	.4640-01	. 1982-02	. 1644-02	. 2209-02	1.303	14.77	559.4
ĥá	5000	47500	42.000	.5570-01	.4620-01	.6210-01	.2651-02	.2197-02	.2956-02	1.734	19.13	562.7
n á		טטטטגי	000 24	10-0518	.6770-01	19-0416.	. 3896-02	. 3223-02	-4351-02	2.520	17.75	570.0
ħ á	0000	טטטט.	000	10-0647	.6200-01	.8360-01	. 3566-02	. 2952-02	. 3980-02	2.316	26.84	567.4
ĥá	3.000	55000	מט ער	5410-01	4480-01	.6030-01	.2573-02	.2133-02	.2870-02	1.686	18.61	۲. ۱۵۲
ħ đ	3.0000	00000	£6.000	.2020-01	1680-01	.2250-01	.9603-03	.7975-03	.1070-02	.6360	6.873	554.7
ĥå	3.0.00	טטטט.	47.000	1230-01	1020-01	1370-01	.5869-03	.4877-03	.6534-03	.3900	4.121	552.2
5 á	3.0000	2000	FB. 000	7900-02	.6630-02	. 8800-02	.3780-03	.3141-03	.4267-03	. 2510	2.763	551.5
h đ	9000	75000	000.05	.6600-02	5500-05	.7300-02	.3129-03	. 2600-03	3483-03	.2080	6.253	551.7
i d	2000	80000	30.000	5100-05	-430C-02	50-0075.	.2449-03	. 6035-03	.2727-03	.1630	1.736	4. USB
n đ			51.000	.9700-02	.5600-02	.7500-02	.3207-03	. 2664-03	. 3571-03	. 2130	2.618	993.0
ć	0000	87503	52.000	10-0011.	.9100-02	.1220-0:	. 5215-03	.4330-03	. 5808-03	.3450	5. 24.B	2000
. đ	0000	00306	53,000	1750-01	1410-01	1890-01	.8085-03	.6708-03	.9010-03	.5330	7.363	558.
ŧ	3.0000	.92500	54.000	.2290-0:	1900-01	.2550-01	.1098-02	. 9024-03	. 1212-02	.7160	9.315	558.5
i d	0000	95000	55.000	.2240-01	.1960-01	.2500-01	.1067-02	. 8856-03	.1189-02	.7030	7.071	558.0
ńđ	3000	50005	71.900	3970-01	. 3290-01	1440-01	.:890-02	. 1564-02	50-1115.	1.825	13.83	569.6
ð	0000	22500	72.000	.3090-01	.2560-01	.3450-01	.1471-02	.:219-02	. 1641-02	.9590	11.13	264.7
i d	0000	25000	73.000	10-0445	.2020-01	10-02/3.	.1160-02	.9617-03	. 1294-02	.7590	9.854	562.3
6 3	0000	27500	74.000	10-0661	.1650-01	.2220-01	.9480-03	.7850-03	. 1057-02	.6220	7.628	76:
. 3		3000	56.000	1630-01	1350-01	10-0181	.7737-03	.64!9-03	.60-11-03	.5100	6.632	558.0
F á	200	00000	57.000	.2770-01	.2300-01	.3090-01	1319-02	. 1094-02	-1471-02	.8550	11.25	560.8
ħ ē	2000:	2000	000.00	4470-03	3-00-61	10-0864	.2126-02	. 1761-02	.2372-02	1.387	17.99	554.3
'n	9000.	00000	000	7130-01	10-0065	.7960-01	.3392-02	.2806-02	.3787-02	2.197	28.45	5.69.2
5 d	, cood	00074	50.000	10-0269.	10-0225	10-0627.	.3319-02	20-4462.	.3707-02	2.143	27.75	571
F #	4.0000	. 42500	61.000	.4670-01	.3870-01	.5210-01	. 2224-02	. 1843-02	.2481-02	1.455	18.89	562.9
,												

OH-74 (AEDC V4 18-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE

DATE 07 OCT 75

DATE 0'	DATE 07 OCT 75		OH-74 (AEDC V418-BBA) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	V418-88A)	HEATING [DATA ON ORE	IITER FUSEL	AGE PORT S	3105			PAGE 213
				OH-74 (AE	OC V418-88/	A) B62C12F1	DH-74 (AEDC V418-BBA) BG2C12F10M16H127E52VBR19	52V8R19				(RV3002)
2	TRACE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	110	HCTAWI	1000	DTMOT	7
NUMBER				R*0.9	A=1.0	R=TAW	BTU/ R	81U/ R	BTU/ R	910/	DEG. R	DEG. R
đ	₫000°*	.45000	62.000	.2610-01	.2160-01	.2910-01	.1241-02	٠.	1383-02	.8180	/ SEU 10.52	558.1
ð	4.0000	.47500	63.000	.1860-01	19-0451.	.2070-01	3932-03		.9840-03	.5830	7.371	557.0
ð	4.1300	.50000	64.000	10-0121.	10-0101.	10-0581	.5781-03	.4801-03	.6439-03	.3830	4.712	554.7
đ	٠, 3000	.52500	E5.000	. 990u-uz	.8200-02	1100-011.	.4713-03	.3914-03	.5248-03	.3120	3.845	554.1
ਨੰ	٠.0000	.55000	66.000	-8400-05	.7000-02	.9407-02	.4020-03	.3340-03	.4475-03	.2670	3.115	552.9
<u>ቆ</u>	۴.0000	.60000	67.000	-6400-05	5400-05	.7200-02	.3069-03	.255!-03	.3416-03	.2040	2.289	551.5
å	۴.0000	.65000	69.000	50-00L4.	.3900-02	.5200-02	. 2223-03	.1848-03	.2474-03	.1480	1.729	551.1
å	٨.0000	.70000	69.000	.3800-02	.3200-02	.4200-02	.1810-03	1505-03	.2014-03	0131.	1.339	550.4
ð	4.0000	.75000	70.000	S200-05.	: 1900-02	.2500-02	.1083-03	.9003-04	.1206-03	.7200-01	.8000	551.6
<u>ቆ</u>	٠, 0000	.80000	75.000	. 2400-02	.2000-02	.2600-02	.1126-03	.9356-04	. 1254-03	.7500-01	. 8950	553.9
₫	4.0000	.85000	75.000	.2700-02	.2300-02	. 3000-02	.1295-03	.1075-03	. 1442-03	.8600-01	010.1	554.7
<u>ቆ</u>	4.0000	.87500	77.000	2000-05	.2500-02	. 3200-02	. 1391-03	.1194-03	.1516-03	0717.	1.611	398.1
ð	4.0000	.90000	78.000	.5300-02	20-0044.	.5900-02	. 25! 3-03	.2086-03	.2799-03	. 1660	2.137	556.2
\$	4.0000	.92500	79.000	. 9500-02	. 7800-02	.1050-01	.4498-03	.3732-03	.5012-03	. 2960	3.640	558.3
ð	4.0000	.95000	90.00	.1120-01	.9300-02	. 1250-01	. 5336-03	.4427-03	.5947-03	.3510	160.≯	558.3

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PAGE 214	(RVB002)
0H-74 (AEDC V418-BBA HEATING DATA ON ORBITER FUSELAGE PORT SIDE	OH-74 (AEDC V4;B-BBA) BG2C12F10M16W127E52VBR19
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₩ LB-SEC /FT2 .7893-07	RHO SLUGS /FT3 .7085-04	V F (/ SEC 3881.	a PSIA 3.709	P PS1A	α · ο	51 CONDITI YAW DEG. 1.000	•••15' PH UEG.	TO DEG. R 1353.	PO PS1A 808.3 STN NO Ra 0.175	ALPHA DEG. 29.83 HREF BTU. R	MACH 8.000 RN/L X10 6	RUN 95 95 RUN MUHBER
										81U/ R		NUMBER
										HAREF		RCN
.7893-07	.7085-04	3881.	3.709	. 8300-01		1.000	-89.98	1353.	808.3	29.83	8.000	ጼ
LB-SEL /FT2	5LU05 /FT3	+ 1/5EC	¥ SA	¥354	DEG. R	DEG.	CEG.	DEG. R	PSIA	DEG.		NUMBER
Ð.	E S	>	σ	۵.	-	YAH	Ŧ	5	6	ALPHA		2
					ONS • • •	*** TEST CONDITIONS***	31					

TEST DATA

TRACE	X/L	0: 2/;	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAM)	1000	DTMDT	7
<u>}</u>	1		R=0.9	R•1.0	R-TAH	BTU/ R	81U/ R	BTU/ R	BTU/	DEG. R	DES. R
		. ,				FT2SEC	FT2SEC	FT2SEC	FT2SEC	/ SEC	
0000	.27500	1.0000	.1500-01	.1250-01	1670-01	.7154-03	.5946-03	.7963-03	.4760	4.916	551.9
0000	30000	0000 Z	.1350-01	.1130-01	.1520-01	.6497-03	.5400-03	.7231-03	4330	4.575	551.5
0000	.32500	3.0000	.1180-01	.9800-02	.1320-03	.5636-03	.4685-03	.6272-03	.3760	3.845	550.8
0000	.35000	4.0000	1310-01	1090-01.	.1450-01	.6223-03	.5173-03	.6925-03	.4150	4,285	550.7
0000	37500	5.0000	.1280-01	1060-01	1420-01	.6075-03	.5051-03	.6760-03	. ₹05 0	4,246	550.4
0000	40000	6.0000	.2000-0;	.1660-01	.2220-01	.9510-03	.7903-03	. 1059-02	.6330	6.469	552.4
0000	.42500	7.0000	1860-01	.1550-01	.2070-01	.8871-03	.7371-03	.9875-03	0065.	6.085	552.7
0000	45000	8.0000	.2170-01	10-0081	.2420-01	.1034-02	.8593-03	.1152-02	0,6870	6.986	553.6
0000	47500	9.0000	.1680-01	1390-01	.1870-01	. 7995-03	.6644-03	. 8900-03	.5320	5.387	552.5
0000	.5000	10.000	. 2060-01	.1716-01	.2300-01	.9827-03	.8165-03	1094-02	.6530	6.582	553.2
0000	5,2500	11 000	2780-01	.2310-01	.3090-01	. 1323-02	-1098-02	.1473-02	.8770	8.838	554.4
0050	.55009	12.000	.2960-01	.2460-01	.3300-01	.1412-02	.1173-02	. 1572-02	0'£6'	9.353	554.2
0000	.60000	13.000	14860-01	.4030-01	.5420-01	.2314-02	. 1919-02	. 2580-02	1.520	15.26	560.9
0000.	.65000	14.000	.4810-01	.3990-01	. 5360-01	. 2289-02	. 1898-02	. 2551 - 02	1.506	15.13	559.8
.0000	.70000	15.000	10-0+1+.	.3430-01	.4610-01	50-1761.	. 1636-02	-0-1615.	1.299	12.60	558.9
0000	.75000	16.000	.2620-01	10-0715.	.2920-01	.1247-02	.1036-02	. 1389-02	.8230	8.317	555.4
0000	.89000	17.000	۳ 064:	. 1240-01	.1660-01	.7118-03	.5912-03	. 7925-03	.4720	4.547	524.6
0000	.28500	18.000	.16:0-01	1343-01	1790-01	.7656-03	.6360-03	. 85.24-03	.5090	5.936	553.3
0000	33700	19.000	10-0241.	.1180-01	.1580-01	.6752-03	.5611-03	.7516-03	06+4.	5.276	552.1
0000	39000	20.000	.2640-01	.2190-01	.2940-01	. 1256-02	. 1043-02	. 1398-02	.8330	177.6	554.1
0000	.42600	21.000	.3150-01	.2630-01	.3520-01	.1506-02	.1250-02	.1678-02	. 9960	11.60	556.6
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DATE 07	00.1 75		OH-74 (AEDO	0H-74 (AEDC V418-BBA)		DATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	AGE PORT S	305			PAGE 215
				OH-74 (AE	0H-7% (AEDC V418-88A) BG2C12F10M164427E52V8R19	v B62C12F1	0H164.27ES	2V8R19				(RVB002)
2	TRA, E	X,r	1/C NO	H/HRFF	H/HREF	H/HREF	н(910)	н(10)	H(TAH)	1000	OTMOT	3
NUMBER				R=0.5	R=1.0	R=TAH	BTU/ R	BTU/ R	BTU/ R	910/	DEG. R	DEG. R
							FTZSC	FTPSEC	FTPSEC	FTZSEC	/SEC	,
ጽ	2.000	.53000	23.000	.5290-01	10-0624	.5900-01	. 2521-02	. 2n 9 0-02	. 2811-02	1.652	18.24	562.3
ጼ	2.0000	.56700	94.000	.4460-01	.3700-01	.4973-01	.2122-02	. 1760-02	. 2365-02	1.396	15.05	559.9
ጺ	2.6300	.62000	25.000	.2650-01	.2200-01	, 2950-01	. 1260-02	. 1046-02	. 1404-02	C+E8.	9.012	555.8
S	P. J000	.67000	26.000	17:0-01	10-0241.	10-0161.	.8153-03	.6772-03	.9079-03	.5410	5.849	554.2
R	2.0000	.70500	27.000	.1280-01	10-0/01.	10-05+1.	.6109-03	.5076-03	.6801-33	. 4060	4.353	552.7
ક્ષ	2.0000	. 75000	28.000	, 90°1-02	.8200-02	1100-011	.4704-03	.3910-03	.5236-03	.3130	3.424	551.9
8	2.0000	.80000	29.000	50-00F:	.6500-02	.8800-02	.3748-03	.3115-03	.4171-03	.2500	5.745	551.8
ጽ	2.0000	.82400	30.000	-1900-02	.1500-02	50-0012	.8813-04	.7322-04	.9812-04	.5900-01	.8120	553.2
R	3.0000	.20000	31.000	.3380-01	.2800-01	.3770-01	.1509-02	.1333-02	.1794-02	1.052	11.06	563.5
ይ	3.0000	.22500	32.000	.2890-01	.2400-01	. 3220-01	.1376-02	.1141-02	. 1534-02	0+06.	10.04	560.3
8	3.0000	.25000	33.000	. 2240-01	.1850-01	.2490-01	.1066-02	.8846-03	.1187-02	.7040	7.834	556.9
R	3.0000	.27500	34.000	1720-01	.1437-01	1910-01	.8181-03	.6796-03	50-6016.	.5430	6.473	553.8
95	3.0000	30000	35.000	.1610-01	.1340-01	10-0641.	.7668-03	.6372-03	.8537-03	.5103	6.284	552.7
S	3.0000	. 32500	35.000	.1630-01	1320-0;	10-0181.	.7757-03	.6446-03	.8535-03	.5160	6.028	552.2
9	3.0000	35000	37.000	.2550-01	.2120-01	.2840-01	. 1215-02	20-6001.	.1353-02	.8050	9.305	554.2
ጽ	3.0000	.37500	38.000	.3340-01	10-0775.	.3720-01	.1589-02	.1319-02	50-0211	1.052	12.26	555.9
ይ	3.0000	40000	39.000	.3740-01	10015.	.4160-01	50-6771.	50-77-15	-1985-02	1.176	15.71	556.8
ይ	3.0000	.42500	40.000	.3320-01	.2750-01	.3700-01	. 1582-02	.1313-02	.1763-02	1.044	12.29	557.9
ጼ	3.0000	.45000	41.000	.5580-01	.4630-01	.6220-01	. 2658-02	.2203-02	. 2963-02	1.745	19.75	561.1
ጸ	3.0000	.47500	42.000	.4430-01	.3670-01	.4940-01	.2110-02	.1750-02	. 2352-02	1.387	15.32	560.3
ይ	3.0000	.50000	43.000	.3240-01	.2690-01	.3610-01	. 1543-02	. 1281 - 02	.1719-02	1.020	11.29	556.7
ሄ	3.0000	.52500	44.000	.2370-01	10-0/61.	.2630-01	.1127-02	.9359-03	. 1255-02	.7480	8.723	554.1
8	3.0000	.55000	45 200	. 1830-01	1520-01	.2040-01	.8708-03	.7234-03	. 9695 -03	.5780	117.9	553.6
ጽ	3.0000	.60000	46.000	10-6+01.	20-0018.	10-0911	.4972-03	.4133-03	. 5534-03	0188.	3.586	551.5
ጼ	3.0000	.65000	47.000	.6800-02	.5700-02	.7600-02	. 3254-03	.2705-03	. 3621-03	.2170	2.296	550.4
8	3.0000	.70000	48.000	. 5500-02	-4e00-05	-0019	.2612-03	.2172-03	.2907-03	. 1740	1.916	550.5
95	3.0000	.75000	49.000	.4630-02	. 3800-02	5100-05	.2184-03	.1816-03	.2430-03	. 1460	1.579	550.3
ę,	3.6300	.80900	50.000	3130-05	.2500-02	. 3400-02	.: 60-03	. 1214-03	.1625-03	.9700-01	1.039	550.7
ያ ያ	3 0000	.85000	51.000	3700-05	-3100-02	50-001h.	.1768-03	.1468-03	. 1958-03	.1179	544.7	554.5
ጸ	3.0000	.87509	52.000	50-0C1 * .	3400-05	.4600-02	. 1963-03	. 1630-93	.2196-03	1300	1.600	555.5
92	3.0000	:0006	53.000	3900-05	.3200-02	20-00+4	.1864-03	.1547-03	. 2077-03	. 1230	20.1	556.U
R	3.0000	. 92500	54.000	.5800-02	-deco-05	.6500-02	.2781-03	.2308-03	3098-03	0.840	4.54	336.3 FEE 4
ጜ	3.0000	.95000	55.000	.6700-02	.5600-02	.7500-02	.3194-03	. 6552-03	. 3557-03) i	001.0	0.000
ጼ	4.0000	.20000	71.000	10-0204	.3340-01	10-0163.	. 1921-02	. 1589-02	.2146-02	5.43	5	P.0/C
ጵ	٠, 0000	. 22500	72.000	3100-01	10-0252.	.3460-01	-1477-02	. 1223-02	. 1647-02	0.9640	61.11	564.6
8	۴.0000	.25000	73.000	. 2360-01	10-0961	.2630-01	.1126-02	.9333-03	. 1255-02	.7400	9.60	560.5
8	4.0000	.27500	7¥,000	.2310-01	10-0161	. 2570-01	. 1099-02	.9116-03	. 1225-02	. 7240	8.833	558.9
ይ	4.0000	.30000	56.000	.2110-01	10-09511	. 2360-01	.1007-02	.8362-03	. 1172-02	. 6650	8.68	556.0
8	4.0000	.32500	57.000	. 3950-01	.3270-01	.4400-01	.1880-02	. 1558-02	.2096-02	1.232	15.99	562.4
95	4.0300	.35000	58.000	.5040-01	19-0714.	.5520-01	.2399-02	.1 486-02	.2677-02	1.552	20.23	566.7
95	4.0000	.37500	59.000	.3480-01	.2880-01	.3890-01	.1657-02	-1374-02	. 1846-02	1.090	4.17	559.7
9	₩.0000	00004	60.009	.2680-01	.2220-01	.2980-01	.1276-02	.1359-02	. 1421-02	.8420	10.95	558 0
8	۴.0000	.42500	61.000	.2020-01	. 1680-01	.2250-01	.9617-03	.7985-03	. 1071-02	.6370	8.296	555 6

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DATE 07	DATE 07 OCT 75		OH-74 (AEDC	V418-88A)		DATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT		SIDE			PAGE	216
				OH-74 (AEE	K V418-884	N B62C12F1	24-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	52V8R19				(RV8002)	(20
RUN	TRANE	۲ ۲	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R-TAW	H(910) BTU/ R	H(10) BTU/ R	HITAN) BTU/ R	0001 BTU/ FT2SEC	DTMOT DEG. R	114 066. R	
8	٠. 0000	. 45000	62.000	.1230-01	.:020-01	.1370-01	5864-03	.4871-03	.6530-03	.3890	5.016	554.0	
86 g	4,0000	.47500	63.000	.8900-02	.7400-02	50-056-05	2890-03	.3530-03	.4730-03	. 1920	3.577	553.2	
	0000	. 52500	65.000	.5300-02	.4400-02	.5900-02	.2509-03	.2086-03	.2793-03	.1670	2.061	551.5	
. R	۴.0000	.55000	66.000	500-054	.3800-02	.5000-02	.2151-03	.1788-03	.2394-03	.1430	1.675	551.0	
ይ	٠٠.0000	.60000	67.000	.3100-02	.2600-02	.3500-02	. 1488-03	. 1237-03	. 1655-03	10-0066	1.115	549.7	
8	4.0000	.65000	69.000	.2000-0S	.1700-02	.2300-02	.9682-04	.8051-04	.1077-03	.6500-01	.7560	5. ⁴ 9.8	
ጽ	4.0000	.70000	69.000	.1300 .02	-1100-02	.1500-02	.6283-04	. 5226-04	+0-0669 .	.4200-01	.4670	549.0	
8	4.0000	.75000	70.000	. 1600-02	. 1300-02	.1890-02	.7694-04	.6398-04	.8562-04	.5100-01	.5710	549.9	
g	4.0000	.80000	75.000	S100-05	.1700-02	.2300-02	.9932-04	.8255-04	.1106-03	.6500-01	. 7930	551.7	
æ	4.0000	.85000	76.000	.1830-02	.1500-02	.2000-02	.8383-04	.6965-04	.9334-04	.5600-01	.6570	553.6	
S	4.0000	.87500	77.000	3000-05	.2500-02	.3400-02	. 1448-03	. 1203-03	. 1612-03	.9600-01	1.253	554.1	
8	4.0000	000006	78.000	.3100-02	.2600-02	.3500-02	.1492-07	. 1239-03	.1661-03	.9900-01	1.273	555.0	
S.	. 0000	.92500	79.000	-2900-05	.2400-05	.3300-02	. 1395-0.	.1158-03	. 1554-03	.9200 -01	1.136	555.6	
&	4.0000	.95000	60.000	3000-05	.2500-02	3400-05	. 1434-03	.1191-03	. 1597-03	.9500-01	1.107	555.6	

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DATE 07	DATE 07 OCT 75		0H-74 (AEDC	0H-74 (AEDC V418-88A)		DATA ON ORI	31TER FUSEI	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	3105			PAGE 21'
				134) 47-HO	X V418-88/	4) B62C12F	04-74 (AEDC V418-88A) BG2C12F10M1GW127E52VBR19	52V8R19				(RVB002
OR811EF	ORBLIER FUSE, AGE							PARAM	PARAMETRIC DATA			
					BETA	1.000	MACH	B .000	ELEVON -	0000	RUDDER .	0000.
					.531•••	***TEST CONDITIONS***						
RUN	MACH	ALPHA OEG.	P0 P51A	10 0€6. R	PH1 0£6.	YAH DEG.	7 DEG. R	PSIA	o PSIA	V F1/5EC	SLUGS	#U LB-SEC
96	8.000	34.95	907.0	1351.	169.8	1.000	09.79	.8300-01	3,703	3879.	.7084-04	.7882-07
RCN NCMBER	78N/L X10 6	H IEF BTU/ R	STN NO									
86	3.496	.4758-01	.2159-01									
					•	TEST DA'A	:					
S.	TRACE	×'۲	1/C NO	H/HREF	H/HREF	H/HRE!	H(910)	H(10)	HCTAH	1000	OTMOT	
NUMBER				R.0.9	R=1.0	R-TAM	BTU/ R	BTU. R	BTU/ R	BTU/	956. R	DEG. R
96	1.0000	275.	1.9000	.:600-01	. 1330-01	.1780-01	.7623-03	.6334-03	.8486-03	.5060	5.223	552.0
c	1.0000	.300.	2.0000	1450-01	. 1200-01	.1610-01	.6878-03	5715-03	.7657-03	.4570	4.826	551.9 551.5
ý	1.0000	.35000	\$.000c	1350-01	.1120-01	1500-01	.6404-03	.5321-03	.7129-03	.4250	4.390	551.7
8 8	1.0000	.37500	5.0000 6.0000	1.880-01	.1560-01	. 2090-01 . 2440-01	. 1042-03	.7413-03	. 9936-03 . 1160-02	. 5920 . 6900	6.189 7.052	553.3
88	1.0000	4250C	7.0000	1719-01	1420-01	1910-01	.8155-03	.6774-03	.9081-03	5170	5,573 6,279	555.4 555.4
£ %	1.0000	. 1300	9.0000	. 2450-01	.2040-01	.2730-01	.1167-02	. 9688-03	1300-02	0177.	7.805	554.8
88 8	1.0000	.5000.	10.000	10-0453.	10-0-61	.2600-01	.1113-02	.9240-03	1639-02	.7360	9.4.5	554.0
£ &	1.0000	. 55000	12.000	3550-01	.2950-01	.3950-01	. 1693-02	1406-02	1985-02	1.120	11.18	554.5
8	1.0000	.60000	13.600	.2946-01	. 2440-01	.3270-01	-1397-02	.1160-02	.1556-02	.9220	9.285	555.7
8	1.0000	.65000	14.300	10-0444	.3580-01	10-0363.	50-0115.	-1751. -0-5258	5355-02	1. 390 5880	13.98 6.684	554.4 554.4
8 8	1.0000	. 75000	16.000	8500-02	-0181. -0101.	.9500-02	.46 3-03	.3368-03	.451:-03	.2695	2.716	551.6
8	0000.1	.80000	17.000	.2699-02	.2210-02	2900-05	.1247-03	.1037-03	.1388-03	8300-01	.8000	551.1
8	2.0000	.28500	13 300	1739-01	10-0441	1930-01	.8229-03	.6834-03	21.54-03	.54.50	6.354	554.0
98 8	2.0000	.33700	19.030	1630-01	1350-01	1810-01	50-4577.	50-0449.	. 1473-02	0515.	20.05 10.74	555.5
g g	2.0000	00055.	21.300 ≥1.300	2220-01	1840-01	.2470-01	.1054-02	.8755-03	1175-02	.6970	9.126	555.0
8 8	0000	0087.	22.000	3210-01	.2660-01	.3570-01	. 1526-02	. 1267-02	-1700-02	1.006	\$1.1t	556.5

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				0H-74 (AE)	04-74 (AEDC V418-88A) BG2C12F10M16W127E52V8R19	N BG2C12F1	OM16W127E	2V8R19				(RVB002)
ž	TRACE	X/L	1/C NO	H/HREF	H/HIEF	H/HREF	H(9T0)	н(10)	H(TAM)	TOCO	DTMDT	3
NUMBER				R=0.9	R=1.0	R-TAM	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FTZSEC	FTESEC	FT2SEC	FT2SEC	7550	
96	2.0000	.53000	23.000	.3780-01	.3130-01	.4210-01	.1798-02	- 1491 - 02	. 2004-02	1.182	13.06	558.7
96	2.0000	.53700	24.000	.2580-01	.2140-01	.2870-01	. 1226-02	.1017-62	. 1365-02	0608.	8.743	555.7
95	2.1.300	.62000	25.000	10-0861.	. 1650-01	.2210-01	.9431-03	.7831-03	.1050-02	.6240	6.742	354.6
96	2.3000	.67000	26.000	.9600-02	.8000-02	10-0701.	.4575-03	. 3802-03	.5093-03	.3040	3.291	551.5
8	€.0000	. 70500	27.000	.7500-02	.6200-02	.8300-02	.3567-03	. 2965-03	.3970-03	.2370	2.546	1.05-
96	2.0000	.75000	20.000	-4300-05	.3600-02	-4800-05	.2044-03	.:700-03	.2275-0.1	. 1360	1.495	5,4,7
96	€.0000	.80000	29.000	.3000-02	.2500-02	.3300-02	1409-03	.1171-03	.1567-03	.9+00-01	1.032	549.5
8	2.0000	.82400	30.000	.1000-02	.9000-03	: 1200-02	.4951-04	30-311A	.5511-04	.3300-01	.4570	551.3
8	3.0000	.20000	31.000	.3490-01	.2900-01	.3900-01	. 1662-02	.1378-02	.1853-02	1.089	11.46	560.6
96	3.0000	.22500	32.000	.2910-01	.2420-01	.3250-01	.1386-02	1149-02	. 1545-02	0016.	10.11	529.2
8	3.0000	.25000	33.000	. 2260-01	10-0881.	.2520-01	50-7701.	.8938-03	. 1200-02	.7100	7.894	556.9
96	3,0000	.27500	34.000	.1800-01	10-0641.	.2000-01	.8556-03	.7104-03	.9530-03	. 5650	6.735	555.0
96	3.0000	.30000	35.000	1470-01	. 1220-01	10-0491	.6988-03	.5804-03	.7781-03	.4630	5.699	553.7
96	. 0000 £	. 32500	36.000	.2160-01	10-0081.	10-0142.	. 1029-02	.8542-03	.1146-02	.6800	7.935	554.5
86	3.0700	.35000	37.000	.3120-01	.2590-01	.3480-01	.1487-02	. 1234-02	. 1656-02	.9800	11.30	556.5
86	3.0000	.37500	38.000	.3120-01	.2590-01	.3470-0;	.1483-02	. 1230-02	1652-02	0776.	11.37	557.3
8	3.0000	00004.	39.000	.2110-01	.1750-01	.2350-01	.1003-02	.8328-03	-1117-02	.6640	7.782	554.1
96	3.0000	.42500	000.04	.4320-01	.3580-01	10-0284	. 2055-02	.1703-02	.2291-02	1.344	15.79	561.6
8	3.0000	. 45000	41.000	.3440-01	.2860-01	.3830-01	.1637-02	. 1358-02	. 1824-02	1.078	12.24	557.3
96	€.0000	.47500	42.000	.3210-01	.2550-01	.3580-01	. 1527-02	. 1267-02	.1702-02	1.005	11.12	557.7
8	3.0000	.50000	43.000	.2730-01	.2270-01	. 3050-01	.1301-02	. 1079-02	- 1449-02	. 8580	564.6	555.6
96	3.0000	.52500	44.000	10-0771.	.1470-01	1970-01	.8404-03	.6980-33	.9359-03	. 55.60	6.492	553.8
8	3.0000	. 5000	45.000	.1330-01	.1110-01	10-0841.	.6328-03	.5257-03	.7045-03	.4200	4.658	552.3
96	3.0000	.60000	₽6.000	. 7800-02	.6500-02	.8700-02	.3715-03	3088-03	.4134-03	.2470	2.679	1.000
98	3.0000	.65000	47.000	. 5200-02	.4300-02	.5800-02	. 2485-03	.2066-03	.2765-03	. 1650	207.1	7.6.c
8	3.0000	.7000	48.0 00	Z0-0004.	.3300-02	20-0044.	. 1896-03	. 1577-03	.2109-03	.1270	1.392	
96	3.0000	.75000	49.000	-200-05	.2200-02	3000-05	.1278-03	. 1062-03	1422-03	10-005B.	04.5	i d
96	3.0000	.80000	50.000	50-00/5.	.2200-02	3000-05	. 1287-03	.1070-03	.1433-03	.8530-01	9160	
96	3.0000	.85600	5:.000	. 1800-02	. 1500-02	.2000-02	.8644-04	.7183-04	- 5296.	10-00/5	0807	5. ICC
86	3.0000	.8750	52.000	50-0651.	.1300-02	.1700-02	.7340-04	+0-8609·	.8172-04	10-0064	. 5000	336.4
96	3.0000	00006.	53.000	.1500-02	. 1200-02	. 1600-02	.7016-04	.5829-04	.7812-C.	10-00/4	0649.	330.5 5
96	3.0000	.92500	54.060	50-0011.	.1400-02	. 1900-02	-0-690B	.6703-04	+0-S858.	10-0055.	0860.	333.0
96	3.0000	. 95000	55.000	.2300-02	₹0-0061.	. 2500-02	.1071-03	- 8900 - UA	. 1193-03	10-06 /	. 7.100	7.500
96	4.0000	. 20000	71.000	. 3660-01	.3200-01	19-0124	. 1837-02	1520-02	- 1505.	181.6	5.43	0.700
8	٠, 0000	.22509	72.009	. 2950-01	.2440-01	.3290-01	. 1402-02	. 1162-02	-1554-02	0618.	10.63	203.5
8	4.0000	.25000	73.190	.2270-01	.1880-01	.2530-01	.1078-02	. 89+0-03	. 1202-02	.7050	B. 214	360.8
95	۴.0000	.27500	74.000	.2720-01	.2260-0;	.3040-01	. 1295-02	.1074-02	20-111	0848.	04.01	7. i
96	4.0000	30000	56.000	. 2650-01	.2200-01	.2960-01	. 1262-02	. 1047: 02	.1476-02	.8300	10.79	528.5
96	4.0000	. 32500	57.000	.3810-01	.3150-01	.4240-01	.1010-02	. 1500-02	-2019-05	1.182	15.34	563.1
95	4.0000	.35000	58.000	.2880-01	.2390-01	.3210-01	.1369-02	. 1135-02	. 1526-02	.8970	11.66	560.4
96	4.0000	.37500	59.000	.2840-01	.2350-01	.3160-01	. 1350-02	.1119-02	. 1504-02	. 8860	1.52	559.5
8	4.0000	00004	60.000	.2650-1.	.2200-01	.2960-01	. 1262-02	.1047-02	.1407-62	.8300	10.79	558.6
96	۴.0000	.42500	61.000	1390-01	1150-01	.1550-01	.6610-03	.5488-03	.7363-03	.4370	5.688	555.5

PAGE 218

OH-74 (AEDC V418-BBA) HEATING DATA ON ORBITER FUSELAGE PORT SIDE

DATE 07 OCT 75

A TOTAL SECTION

DATE O	DATE 07 OCT 75		OH-74 (AEDC V418-88A)	V+18-88A)	HEATING D	ATA ON ORE	HEATING DATA ON ORBITER FUSELAGE	PORT	S10E			PAGE 219
				OH-74 (AED	C V418-88A	D BG2C12F1	04-74 (AEDC V418-88A) BG2C12F10M16W127E52V9R19	2V8R19				(RVB002)
P.	TRACE	x/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HCTAN	1000	DTMOT	2
MUTGE K				X . C. 3	R*1.0	R-TAN	BTU/ R FT2SEC	BTU/ R FT2SEC	BTU/ R FT2SEC	BTU/ FT2SEC	DEG. R /SEC	DEG. R
8	۴.0000	.45000	62.000	.9600-02	.6000-02	.1070-01	.4565-03	.3791-03	.5084-03	.3020	3.895	553.9
8	4.0000	.47500	63.000	.7000-02	. 5900-02	.7800-02	.3354-03	.2786-03	.3734-03	. 222 .	2.820	552.6
8	4 . f.300	. 50000	64·000	.5400-02	-4500-02 -	.6000-02	.2567-03	.2133-03	2857-03	.1710	2.104	551.2
8	4.3000	.5250)	65.000	.4500-02	.3700-02	.5000-02	.2141-03	.1780-03	.2384-03	.1420	1.756	551.1
8	₩.0000	.55000	96.000	50-0004.	.3300-02	20-0044	. 1881-03	.1564-03	.2093-03	. 1250	1.4.7	550.3
8	4.0000	.60000	67.000	-2100-05	. 1700-02	.2300-02	·0-0+86	.8182-04	.1095-03	.6600-01	.735.	549.1
8	4.0000	.65000	68.000	.1200-02	20-0001.	50-6641.	.5875-04	+0-S88+·	.6536-04	.3900-01	.4590	548.3
8	۴.0000	.70000	69.000	.1900-02	. 1600-02		.9219-04	. 7668-04	.1026-03	.6200-01	.6800	548.2
8	4.0000	.75000	70.07	. 2500-02	.2300-02	-2700-02	.1171-03	.9737-04	.1303-03	.7800-01	.8570	549.6
8	٠.0000	.80000	75.003	.1200-02	.1000-02	.1300-02	. 5667-04	40-0124	.6308-04	.3800-01	.4520	551.2
8	۴.0000	.85000	76.300	.1200-02	.1000-02	.1300-02	. 5552-04	4613-04	.6182-04	.3703-01	.4350	552.5
8	۴.0000	.87500	000.77	-1100-05	.9000-03	. 1200-02	.5325-04	40-424 4 .	.5928-04	.3500-01	.4610	552.7
8	٠, 0000	.90000	78.000	.1300-02	.1100-02	-1400-02	.6128-04	-2080-0 ₄	.6823-04	.4100-01	. 5230	553.3
8	۴.0000	. 92500	79.000	. 1800-02	. 1500-02	-2000-05	. 8505-04	.7063-04	.9472-04	.5600-01	. 6930	554.1
98	4.0000	.9500	80.000	. 3800-02	.3200-02	.4300-02	. 1826-03	.1517-03	.2034-03	. 1210	1.410	554.0

041E 07	75 70 75		OH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	V+18-88A)	HEATING D	ATA ON ORB!	ITER FUSEL/	IGE PORT SI	8			PAGE 220
	<u> </u>			OH-74 (AEDC V418-88A) BG2C12F10H1GW127E52V8R19	V418-88A	1 B62C12F11)M16W127E5	9V8R19				(RVB002)
9141000	TO CIEC. ACE							PARAME	PARAMETRIC DATA			
	r USEL AUC				BETA	1.000	MACH	• B.000	ELEVON .	0000.	RUDDER .	0000.
					•••TEST	***TEST CONDITIONS***	•••					
RUN	HACH	ALPHA DEG.	P0 PS1A	10 DEG. R	PH1 0£6.	YAW DE3.	1 DEG. R	P FSIA	PS 1.4	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /F12
64.	8.000	19.85	662.5	1346	-174.3	1.000	97.50	.8800-01	3.958	3871.	.7600-04	.7853~07
ă	Ž	HREF	STN NO									
NUMPER R	x10 6	BTU/ R	å									
9	/F1	F125EC	20175 									
2	ř.,											
					:	TEST DATA	•					
			•	i.	1000 × 10	ו/המני	H(970)	H(10)	H(TAH)	D00	DTMDT	
RCN	TRACE	×'L	1/C NO	1	1341.1	D=TAU	PTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
NUMBER				7. 10. 14.			FT2SEC	FT2SEC	FT2SEC	FT2SEC	75£C	
				10-0321	1130-01	16-01517	.6663-03	.5545-03	.7411-03	0544.	4.607	9. 4. 2. 3. 4. 2. 3. 4.
0, 1	1.0000	20005	1.0000	10-0151	10-0001	1340-01	.5929-03	.4934-03	.6594-03	.3960	. 199	0.4d.0
2 8	0000	50005	3,0000	.9600-02	.8000-02	.1060-01	.4696-03	3909-03	.5222-03	.3140	3.666 4.00	10 to 10 to
5 6	1 0000	.35000	4.0000	.1000-01	.8300-02	1110-01	.4919-03	.4095-03	5470-03	3390	3.563	544.0
70	0000.1	.37500	5.0000	1030-01	50-0096.	וס-סבוו.	5918-03	.4925-03	.6581-03	.3950	4.058	543.7
07	1.0000	00004	6.0000	10-0021	10-0001	1340-01	5910-03	.4917-03	.6573-03	.3540	4.085	544.3
2 5	1.0000	2557.	9.0000 B.0000	1550-01	1290-01	.1720-01	.7635-03	.6328-03	.8459-03	.5070	5. [8]	544.6
5 5	1.0000	. +7500	9.0000	10-0761.	. 1640-01	10-0615.	.9657-03	.8038-03	0.10/b-0g	.5670	. ¥.	545.8
70	1.0000	.50003	10.000	1730-01	10-074:	10-030.	50-5358.	50-0412	.9563-03	.5720	5.784	5.6.8
70	1.3000	. 52500	11.030	10-0521.	10-0191	10-05061	E0-0506	.7561-03	.1011-02	.6050	990.9	5.5.8
70	1.0000	. 55000	12.000	1920-01	19-0561	2450-01	. 1082-02	.8994-03	. 1204-02	.7180	7.251	548.2
0,	1.0000	. 65000	13.000	2850-01	.2370-01	.3173-01	.1402-02	.1165-62	. 1550-02	. 9290	9.39!	15 to 15 to
2 6	0000	00000	15.000	.2740-01	.2280-0!	.3050-01	.1346-02	.1119-02	. 1499-02	0168.	4 0 C 1	15 15 15 15 15 15 15 15 15 15 15 15 15 1
? ?	0000	75000	16.900	.3790-01	.3150-01	.4220-01	. 1863-02	50-8-61.	50-50	196.	15.23	555.4
5 2	1.0000	00000	17.000	19-0064	.4370-01	.5460-01	20-11-5.	50-0005.	78 52-03	4700	5.513	543.9
5	2.0000	. 28500	18.000	1439-01	10-0611.	10-0651	5680-03	. 5001-C3	.6316-03	.3790	3,43,3	543.4
70	2.0000	.33700	19.000	1166-01	50-0096	10-0651	6735-03	.5605-03	.7490-03	.4500	5.300	543.9
3ر	2.0000	. 39000	20.000	13/0-01	10-0221	2370-01	1046-02	.8713-03	.1166-02	0269.	8.159	7.975
6 6 6	2.000C 2.000C	. 47800	22.000	10-0615.	. 1820-01	.2430-01	. 1075-02	.8938-03	.1196-02	7140	7.947	يار ق. ق

となった。 「大きのでは、「これのでは、「ないないでは、これのないでは、ないないでは、これのないでは、これのないでは、これのないでは、これのでは、これのないでは、これのでは、これのでは、「これのでは、 これのでは、これのでは

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DATE 07	7 001 75		0H-74 (AED(OH-74 (AEDC V418-B8A)		ATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT	AGE PORT S	SIDE			PAGE 221
				OH-74 (AE	04-74 (AEDC V418-88A) 862C12F10M164127E52V8R19	V 862C12F1	OM16W127EF	EV8R19				(RVB002)
2	TRACE	×	1/C NO	H/HREF	H/HREF	H/HREF	H(9T0)	H(10)	H(TAM)	1000	DTMOT	7
NUMBER		1	•	R=7.9	R*1.0	R=TAW	BTU/ R	87U/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FT25EC	FT2SEC	F 725EC	F125EC)35.C	i i
70	2.0000	.53000	23.000	. 2820-01	.2340-01	.3140-01	.1387-02	50-56-11	. 1543-02	.9180	10.20	7. of 1
70	2.0000	.56700	24.000	. 3260-01	.2710-C:	.3630-01	-1604-02	. 1333-02	-1786-02	1.061	11.50	549.8
07	2.1300	.62000	25.300	.3610-01	. 3000-01	10-0104.	.1773-02	. 1473-02	. 1973-02	1.172	12.70	550.0
5 5	2.3000	.67003	26.000	.5960-01	.0-0564	.6650-01	-2932-05	. 24.32-02	.3267-02	526.1	20.76	335.U
2	2.0000	.70500	27.000	.6260-01	.5190-01	.6983-01	3079-02	.2553-02	.3433-02	2 .010	84.15	354.5
70	2.0005	. 75000	28.000	.3890-01	.3240-01	10-0454.	20-6161.	50-08CI.	50-25-05	, ob.	13.83	0.100
70	2.0000	.80000	29.000	.2160-01	. 1800-01	.2400-01	-1901-	.8826-03	-181-05	.7050	7.767	5.65.9
70	2.3000	.82400	30.000	. 9600-02	.8000-02	. 1060-01	.4703-03	. 39:0-03	.5233-03	.3:20	£. 341	, j
70	3.0000	.20000	31.000	10-0602.	.2560-01	3440-01	.1517-02	. 1260-02	. 1690-02	0666.	10.55	552.9
70	3.0000	.22500	35,000	.2520-01	.2100-01	.2810-01	.1240-02	. 1031-02	. 1381-02	.8200	9.157	549.9
07	3.0 0	.25030	33.000	. 1850-01	1240-01	.2050-01	.9107-03	.7573-03	.1013-02	.6350	6.769	546.6
70	3.0,00	.27500	34.000	.1420-01	.1180-01	1590-01	.6976-03	.5805-03	.7759-03	. 4660	5.576	
70	3.0000	.30000	35.000	. 1223-01	3-010+	.1350-01	.5982-03	.4960-03	.6652-03	4000	4.953	542.8
70	3.0000	. 32500	36.000	1300-01	, 080-01	1440-01	.6377-03	.5309-03	.7090-03	.4260	5.001	542.9
70	3.0000	. 35000	37.000	1390-01	1160-011.	.1550-01	.6855-03	.5705-03	.7622-03	.4580	5.314	543.4
ເ	3.0000	.37500	39.000	10-06+1.	16-0421.	.:660-01	.7338-03	.6108-03	.8160-03	0064	5.749	543.4
70	3.0000	00004.	39.000	.2350-01	10-0961	.2620-01	.1159-02	.9641-03	.1289-92	.7720	9.093	545.3
07	3.0000	.42500	40.000	.2690-01	10-0422.	.3000-01	.1323-02	-1100-05	.1473-02	.8780	10.39	547.5
5	3.0000	.45000	41.000	.2670-01	.2220-01	10 (362)	.1315-02	.1093-02	. 1463-02	.8740	9.970	546.7
57	3.0000	.47500	42.000	.2930-01	10-0552	11002£.	.1440-02	-1197-02	.1603-02	.9550	10.62	543.1
70	3.0000	.50000	43.000	.3560-01	.2960-01	10-0167	1751-02	. 1455-02	.1950-02	1.157	12.85	550.5
70	3.0000	. 52500	44 . 000	.4280-01	. 3560-01	10-0224.	.2105-02	.1749-02	.2344-02	1.391	16.26	557.6
70	3.0000	52000	45.000	10-0445	.4510-91	.6969-01	.2673-02	. 2219-02	-2977-02	1.758	19.48	553.7
6.	3.0690	. 50000	46.000	.8450-01	.7000-01	.9430-01	.4155-02	.3441-02	.4635-02	2.697	₹9.04	562.3
07	3.0000	.65000	47.000	10-625 47	.3600-01	.4830-01	.2130-02	.1769-02	.2373-02	¥04.4	14.83	552.5
02	3.0000	. 70000	48,000	10-0112	.1750-04	.2340-01	.1036-02	.8616-03	.1153-02	.6890	7.589	346.4
70	3.0000	.75000	49.00C	10-0611.	.1160-⊍:	.1550-01	.6839-03	.5690-03	.7608-03	£560	4.951	545.0
70	3.0000	00008	50.000	.1120-01	-04-00	.1250-01	.5529-03	.4600-33	.6151-03	. 3680		1.0+D
0 <i>T</i>	3.0000	. 85000	51.000	. 230-01	.1030-01	.1370-61	.6067-73	.5044-03	.6753-33	.4020	4.970	549.2
70	3.0000	.875rg	52.000	.3040-01	.2529-01	.3380-01	.1493-02	. 1239-62	.1663-02	0:86.	12 08	554.3
0.T	3.000€	90006	53.000	.1750-01	1450-01	. 1953-01	.9609-03	.7148-03	.9589-03	.5670	7.859	552.8
07	3.0000	. 92500	54.003	. 1850-01	. 1540-01	.2363-01	.9089-03	.7547-53	1312-02	.5993	7.813	552.6
70	3.0000	.95000	55.000	.2100-01	1740-01	.2340-01	.1031-02	.8565-03	.1:48-02	.69:0	6.867	551.3
5	4.0000	.20000	71.000	.3829-01	.3160-01	.4263-01	.1876-02	.1555-02	. 2092-0 2	1.223	13.8,	5.9.3
70	4.0000	. 22500	72.000	10-0662.	.2470-01	.3320-01	.1465-02	. 1216-02	.1632-02	.9630	₹. ::	553.6
0L	4.0000	.25000	73.000	.2150-01	10-06-1	. 2390-01	.1056-02	.8779-03	.1176-04	.6990	6:1 '	549.3
0,	6000.4	.27500	74.000	10-0041.	10-0141.	10-0681.	.8362-03	.6951 -03	.9306-03	.5550	6. au	5+B.:
70	0000.4	. 30003	56.000	.1550-01	1300-01	.1730-01	.7659-03	.6379-03	.8521-03	.5100	6.670	540.2
07	0000 ×	. 32500	57.000	. 1650-01	1370-01	.1830-01	.8107-03	.6744-03	.9019-03	.5400	7.066	543.8
07	4.0000	.35000	58.300	.2890-01	.2400-01	.3220-01	.1422-02	. 1191-02	.1582-02	01.46.	12.30	549 3
70	4.0000	.37500	59.000	.3780-01	10-0418.	.42:0-01	.1859-02	. 1544-02	50-6902.	1.229	16.06	553.2
70	4.0000	.40000	60.00	.5020-01	.4150-01	.5590-01	.2466-02	.2047-02	50-7475.	1.62∑	21.15	553.8
20	4.9900	,42500	900.19	.6750-01	.5590-01	.7520-01	.3317-02	.2750-02	. 3698-02	2.166	29.18	5.6.4

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DATE 0	DATE 07 OCT 75		0H-74 (AEU)	OH-74 (AEUC V418-P74) HEATING DATA ON ORBITER FUSELAGE PCRT	HEAT ING 1	DATA ON OR	BITER FUSE	LAGE PORT !	SIDE			PAGE 222
				0H-7+ (AE	C V418-88	A) B62C12F	24-74 (AEDC V418-88A) 862C12F10M16W127E5248R19	5278R19				(RV8002)
3	TRALE	×'L	1/C MC	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HITAM	1000	CTMDT	7
NEMBER				R=0.9	R-1.0	R-TAW	BTU/ R	BTU/ R	81U/ R	BTU/	OEG. A	DEG. R
							FT2SEC	FT2SEC	FT2SEC	FT2SEC	735/	
0,	4.0000	. 45030	62.000	.8920-01	.7380-01	10-0566.	.4384-02	.3529-02	.4893-02	2.837	36.37	7.496
Ö.	4.0000	.47500	53.000	7980-01	.6590-01	.8910-01	. 3921 -02	. 3241-02	.4381-02	2.516	31.62	559.8
75	4.7300	. 50003	64.000	.5230-01	10-0424	:2-0285.	. 2569-02	-2131-02	. 2864-02	1.682	20.68	550 c
20	4.J00C	.52500	65.00	3+00-01	.2830-01	10-0675.	. 1674-02	. 1390-02	. 1864-02	1.104	13.62	551.4
20	4.0000	.55000	66.000	.2450-01	.2040-01	.2 140-01	. 1209-02	.1005-02	.1346-02	.8020	9.384	548.1
5	C000 h	.60000	67,000	.1380-01	1156-01	. 530-01	.678;-03	. 5542-03	.7543-03	.4520	5.083	0.170
70	4.0000	.65000	68.000	10-0401	.8600-02	.1150-01	.5091-03	.4236-03	.5663-03	.3400	3.980	5,4,6
5	. 0000	.70000	69.000	.9400-02	.7900-02	1050-01	.4643-03	. 3863-03	.5164-03	.3100	(135 M	544.7
70	4.0000	.75000	70,000	.7500-02	.6300-02	.840C-02	.3709-03	,3086-03	.4125-03	.2470	2.756	544.3
70	4.0000	00008.	75.000	3400-05.	.2800-02	3800-05	.1659-03	.1380-03	. 1845-03	01.1.	1.331	545.0
70	4.0000	.85000	76.000	-4100-0c	.3400-02	. 4500-02	.2008-03	.157'-03	. 2233-03	.1340	596	544.5
70	₩, 000¢	.87503	77.000	.5200-02	50-0C+h.	.5800-02	. 2573-03	.2140-03	.2863-03	0171.	2.238	545,6
5	4.4000	.90000	78.000	1110-01	.9200-02	. 1240-01	.5468-03	.4544-03	.6086-03	.3620	4.677	5.9.2
7.9	4.9000	.92500	79.000	1410-01	1170-01	19-0721.	.6951-03	.5774-03	.7740-03	0654.	5.663	550.9
5	4.0000	05056	80.000	. 7300-02	.6100-02	.9200-02	. 3600-03	. 2992-03	.4007-03	. 2380	6.789	D. 646

				3Y) 74-15	C:,-74 (AEDC V418-88A) 852C12F10M16W127E52V8R19	A) BSSC12F1	34.2 Mg (4.0	52V8R19				SOORAL
J7811EF	ONBITER FUSE, AGE							PARAM	PARAMETRIC DATA			
					9E1A	1.000	МАСН	8.000	ELEVON .	0000	HUDDER .	. 3000
					•••TES	***TEST CONDITIONS***	S					
RUN	MACH	ALPHA DEG.	9 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8	TC DE0. R	000 100 100 100 100 100 100 100 100 10	4AH 060.	DE0. R	P S	o ¥	V F1/SEC	840 SLU05	70 18-61
17	B. 000	19. .87	9 9.	1 364.	-168.7	000.	04.78	.6900-01	3.966	3869.	.7626-04	.7841-07
RUN	RN/L X10 6	HREF BTU/ R	STN NO									
£	3.762	10.6164.	.2080-01									
					:	*** TEST DATA***	:					
ş	TRACE	X/L	T/C NC	H/HREF	H/HREF	H/HREF	H(910)	н то	H(TAH)	Foco	DTHOT	
NUMBER				R+0.9	R	R-TAW	CTU' R	BTU/ R	BTU/ R	BTU/	9EG. R	DEG. R
i		976		1600-01	10-0621	10-0661	7811-03	5448-03	9689-03	5200	5.383	1
; ;	1.0000	30000	≥.0000	. 1250-01	10-0-01	1390-01	.6131-03	.5101-03	.6820-03	¥.080	4.328	5,4.8
17	00,001	.32500	3.0000	.1063-01	-8800-02	.1180-01	.5203-03	.4329-03	.5787-03	.3460	3.556	5+3.9
17	0000 . 1	.35000	0000°∙	1170-01	50-0076.	1300-01	.5732-03	.4770-03	.6376-03	.3820	3.956	543.7
<u>:</u> :	0000.1	37500	5.0000 5.0000	10-02-01	10-0-01	18-00-1	.6187-13	5147-03	.6882-03	0217.	. 25. 25.	54.5
: 2	1.0000	42500	7,0000	.1620-01	.1510-01	.2030-01	.8956-03	.7445-03	.9966	.5930	6.140	547.0
	1.0000	.45000	8.0000	10-0601	.1570-01	.2100-31	.9291-03	. 7725-03	.1034-02	.6150	6 285	545.7
17	1.0000	.47500	0000.6	10-0181.	.1510-01	.2020-01	.8911-03	£0-1047.	.9917-03	.5930	5.993	3, 6, 6
1,	1.0000	.50003	10.000	.:960-01	. 1630-01	.2180-01	.9524-03	.00000-03	50-1701.	6280	V 0	ייי ני קאר
F ;	1.0000	00026	000.11	וס-ספטקי.	10-05/5	2750-01	50-5161	20-5001	1351-02	. 8030	9.038	54B.c
; ;	0000	50000	3. upe	10 -0362°	2450-01	3290-01	1454-32	56-7051.	.1619-02	.9580	9.670	550.5
: -	1.0000	20059	14.000	.5120-01	.4250-01	.5715-01	.2520-02	50-1605.	-2808-02	1.653	16.65	553.8
7.	0000.1	. 70000	15.000	7440-01	.6160-0:	.8309-01	.356!-02	.3332-02	.4085-02	2.373	22.98	56: .6
7	1.0000	.7505	16.000	10-0765.	10-0564.	.6650-61	-2936-02	. 2435-02	. 3273-02	1.918	19.₹0	556.6
1,1	1.0000	.80000	17.950	.2610-01	.2170-91	.2910-01	.1585-02	. 1067-02	.1433-02	.e. 30	8.121	554.2
1,	2 0000	.28500	1-3.000	15:0-01	.1269-01	16-0891.	.7425-03	.6177-03	8279-03	0707	5.794	
1,	2.0000	33700	000 61	10-0441	. 1200-01	10-0091	.7085-03	.5894-03	.7882-03	4710	5.253	9,44.6
11	≥.0000	.39000	20.000	.2150-01	10641	.2390-01	. 1057-02	.8792-03	50-7711.	. 7010	8.257	546.3
				0	0.00	-	50-7551	60. 3101	1.251.02	0000	נט	4. L

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262.3 996.3 996.7 996.7 996.2 996.2 996.3 996.3 996.3 996.3 996.3 996.3 996.3 46.9 94.3 94.3 94.3 94.3 94.3 94.7 95.0 95.7 551.0 7.50 14.08 25.29 9.406 6.348 4.631 4.631 11.06 11. 9870 1.089 1.707 2.511 2.551 1.833 6890 3.3920 3.2530 3.25 K(TAM) BTU/ R FTESEC .2155-02 .1 7751-03 .8174-03 3803-03 .3130-02 .3 '33-03 .4220-03 4329-02 4056-02 2773-03 2532-02 1468-02 9961-03 7092-03 7584-03 1780-02 1516-02 1114-02 1436-02 1660-02 1840-02 20-5815 1160-02 6574-03 4238-C3 6585-03 B125-03 20-641. 1240-02 -2183-02 1665-02 .1258-02 107,-02 8770-03 1567-02 54-65-02 H1101 BTU/ R F-25EC .1505-02 .2975-02 .2995-03 .7436-03 .5299-03 .5663-03 .1326-02 .1131-02 .8322-03 .6553-03 .5793-03 .5583-03 .1073-02 .1073-02 .1733-02 .1733-02 .1733-02 .1733-02 .1333-02 .1333-02 .1333-02 .1333-02 .1333-02 .1333-02 .1333-02 .4913-03 .3168-03 .2792-03 .1942-07 .3148-03 .4910-03 .1240-02 .8663-03 6015-03 .8556-03 32 -5-03 6515-03 1170-02 H(9T0) BTU/ R FT2SEC .1934-02 .3591-02 .1318-02 .6814-03 .2491-03 .1598-02 .1591-02 .1501-02 .7877-03 .6969-03 .7349-03 1492-02 1492-02 11653-02 1369-02 1393-02 1393-02 1042-02 13809-03 1339-03 13390-03 .7293-03 2181-02 . 1440-01 . 1540-01 . 1540-01 .86.30-02 .7630-02 .0300 .4380-01 .8140-01 .1780-01 .1500-01 .1660-01 .5900-01 .8500-01 .8600-01 .13+0-02 .2520-01 .4442-01 .3380-01 .2560-01 .2180-01 3620-01 3080-01 2263-01 .3370-01 3740-C1 6360-01 .23F" JI 1340-01 10-0541 2337-01 2980-01 1790-01 2920-01 .1080-01 .5400 -02 .5700-02 .0000 .1330-01 .1180-01 .12 -0-01 .2520-01 .6530-01 .3260-01 53-00+8° 1740-01 H/HREF R=1.0 6080-01 2230-01 1510-01 2700-01 2300-01 .1690-0 1340-01 .0-0415. 3310-01 10-0524 10-0264 750-31 10000-01 1000-0. . 1-0821. 1880-01 3300-01 2520-01 1919-01 1630-01 1350-01 2380-01 3580-03 .1300-01 .1300-01 .1390-6, .7700-03 .6800-02 .0000 .5710-01 .2120-01 .2120-01 .2030-01 .2030-01 .1590-01 .1420-01 .1490-01 .1510-01 .3980-01 .3980-01 .3040-01 .2040-01 .3930-01 .7300-01 .3360-01 .5980-01 20-0077 1990-01 15-0051 :480-03 2100-01 6750-01 4500-u. 3250-01 3030-01 1590-131 H/HREF R=0.9 2680-01 2860-01 4430-01 J-0189 1/C NO 25,000 33,000 33,000 33,000 33,000 33,000 33,000 34,000 35,000 35,000 35,000 36,000 37,000 53,000 66,000 X TRALE

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DATE 07	DATE 07 OC! 75		OH-74 (AEDC	V418-88A)	HEATING D	HEATING DATA ON ORBITER FUSELAGE PORT	IITER FUSEL	AGE PORT S	3015			PAGE 225
				OH-74 (AED	24-74 (AEDC V418-88A) BG2C12F10H1GW127E52VBR19) B62C12F1	OH16W127E	2VBR19				(RV8002)
P. P. C.	TRACE	X/L	1/C NO	H/HREF	H/HREF	H/HREF R=TAM	H(910)	H(TQ)	HITAH)	DDOT BTU/	DEG. R	ተራ DEG. R
700							FT2SEC	FT2SE	FTZSEC	FT2SEC	/SEC	
17	9000	.45000	62.000	.2560-01	.2210-01	.2960-01	.1307-02	.1086-02	.1456-02	.8620	11.13	550.1
7.1	4.0000	.47500	63.000	10-0981.	10-0451.	.2070-01	.9129-03	.7585-03	.1016-02	.6330	7.654	549.3
7.1	4.6300	.50000	S4.000	. 1220-01	.1010-01	.1350-0	.5979-03	.4971-03	.6654-0·	.3. મા	968	546.9
71	4.3000	.52500	65.000	20-0096	-8000-02	10-0201.	.4710-03	.3916-03	.5241-02	316	3.859	546.7
17	4.0000	.55000	96.000	.7900-02	-90099	-9803-02	. 3888-03	. 3233-03	.4326-03	, c580	3.022	546.0
1,7	4.0000	.60000	67.000	.6400-02	.5300-02	.7100-02	.3161-03	.2629-03	.3516-03	.2100	₽.364	544.7
1,7	4.0000	.65000	68.000	0000.	0000	.0000	.2479-07	. 2062-07	.2757-07	0000	.0000	544.7
7.1	4.0000	.70000	69.000	.0000	.0000	.0000	.1506-07	. 1253-07	.1676-07	. 0000	0000.	545.0
17	4.0000	.75000	70.000	.0000	0000.	.0000	.9488-10	.7894-10	.1055-09	ر 200.	0000	5. t. t
71	9000.4	.80000	75.000	.0000	.0000	.000	1392-07	.1157-07	.1548-07	.000.	0000	546.1
17	٨.0000	.85000	76.000	.0000	.0000	.0000	.1073-08	.8924-09	.1154-08	0000.	0000	545 9
17	٠, 0000	.87503	77.000	.0000	.0000	.0000	.1821-07	15'4-07	70-7505.	0000.	0000.	547.7
71	. 0000	: 3000 C	78.000	.5500-02	-4600- 02	. 5200-02	.2719-03	. 2260-03	.3026-03	. 1800	2.324	548.3
71	4.0000	.92500	79.000	.9300-02	.7800-02	.1040-01	. +598-03	.3821-03	.5119-03	.3040	3.748	549.3
7;	۴.0000	.95000	80.000	.1140-01	.9500-02	.1270-01	.5621-03	.4669-03	.6259-03	.3710	4.332	550.3

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DATE 07	DATE 07 OCT 75		OH-74 (AED)	OH-74 (AEDC V418-88A)		HEATING DATA ON ORBITER FUSELAGE PORT SIDE	31TER FUSEI	LAGE PORT	S10E			PAGE 226
				OH-74 (AE	DC V418-88	OH-74 (AEDC V418-88A) BG2C12F10M1GW127E52VBR19	10M16W127E	52VBR19				(RVB002)
0781166	ORBITER FUSE, AGE							PARAH	PARAMETRIC DATA			
					BETA	1.000	LACH	B.000	ELEVON .	00000	RUDDER .	. 0000
					•••1ES	***TEST CONDITIONS***	S					
RUN	HACH	ALPHA DEG.	PSIA	70 DEG. R	PH1 066.	YAW DEG.	T 0€6. R	P PS1A	Q PSIA	V F1/SEC	RHO SLUGS	33-87 18-8EC
22	8.000	29.83	863.0	1342.	-90.02	1.000	97.20	.8800-01	3.960	38.6.	.7627-04	7829-07
3	FW/L	HREF	STN NO									
NUMBER	X10 6	BTU/ R FT2SEC	R= .0175									
51	3.766	10-4164	.2079-01									
					•	***TEST DATA***	:					
RC	TRACE	x/r	1/C NO	H/HREF	H/HREF	H/HREF	H(9T0)	н(10)	HCTAH	1000	CTWDT	ī
NUMBER				R=0.9	R=1.0	R.TAW	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. 3	DEG. R
							FT2SEC	FT2SEC	FT2SEC	FT2SEC	7.SEC	
57	00001	.27500	1.0000	1520-01	1260-01	.1690-01	.7467-03	.6206-03	.8310-03	.4930	5.105	547.0
57.	1.0000	30000	3 0000	1340-01	10-0111	1490-01	5672-03	20-0346	50-7157.	555 0575	4.603	546. / 546. I
5 22	1.0000	.35000	4.0000	.1130-01	-0-0046.	. 1260-01	.5577-03	.4636-03	.6206-03	.3690	3.817	546.4
51	1.0000	.37500	5.0000	. 1260-91	.1050-01	.1410-01	. 6209-03	.5161-03	.6911-03	.4100	4.306	546.9
51	1.0000	40000	6.0000	10-0561	. 1620-01	.2170-01	.9595-03	.7971-03	.1063-02	.6320	6.476	548.8
57 57	000	.42500 15000	7.0000	10-08/17	10-28-1	7.040-01	50-55-03	8945-03	50-5675.	0775	1 .5	
57	1.0000	.47500	9.0000	1720-01	1430-01	10-0161	.8433-03	.7005-03	.9389-03	.5550	5.634	549.3
51	1.0000	.50009	10.000	.2010-01	.1670-01	.2240-01	.9891-03	.8215-03	.1101-02	.6510	6.570	550.0
51	1.0000	. 52500	11.000	.2710-01	.2250-01	. 3020-01	. 1333-02	.1107-02	1485-02	.8750	9.827	351.4
5 t	1.0000	55000	12.000	10-029-01	2050-01	10-0615.	50-6051.	50-5611.	2567-02		שוני. פריי	558 B
ל לי	0000	65000	500.21	5150-01	4270-01	5743-01	2530-02	20 /202.	2822-02	.643	16.51	558.6
57	1.0000	.70000	15.000	.4820-01	.4000-01	.5380-01	.2369-02	. 1964-02	.2642-02	1.540	₹. 1	558.0
27	1.0000	.75000	16.000	10-0582	.2370-01	.3180-01	. 1402-02	.1163-02	.1562-02	.9180	9.249	553.3
57	1.0000	.80000	17.000	10-0841.	. 1230-01	. 1650-01	. 7268-03	.6033-03	.8097-03	٠4760	+.59+	552.5
7.5	2.0000	.28500	18,000	16+0-01	1360-01	. 1820-01	.8040-03	.6681-03	. 8950-03	.5300	6.208	548.0
72	2.0000	.33700	19.000	10-0641.	1179-01	.1560-01	.6904-03	.5738-03	.7685-03	. 4560	5.362	547.7
52	2.0000	39000	20.000	.2620-01	.2180-01	.2920-01	1290-02	- 101.	1436-02	94.80	196.6	550.5
5 6	2000	1,7800	22.000	3830-01	3170-01	19-0564	1880-02	1560-02	- 10-96-05.	1.229	13.62	55.50
ă		2001	300		:		3	;	;	<u>}</u>	<u> </u>	

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DATE 07 OCT	OCT 75		OH-74 (AED)	OH-74 (AEDC V418-88A)		DATA ON OPE	HEATING DATA ON ORBITER FUSELAGE PORT	LAGE PORT	3015			PAGE 227
				OH-TH (AE)	04-74 (AEDC V418-88A) BG2C12F10M1GH127E52V8R19	1) B62C12F1	OMIGWIZ7E!	\$2VBR19				(RVBDD2)
2	J.WM.	X	1/C NO	H/HREF	H/HREF	H/HREF	H(970)	H(10)	H(TAM)	1000	DTMOT	¥
A SER		į	<u>}</u>	R=0.9	R=1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	B TU/	REG. R	DEG. R
							FT2SEC	FTPSEC	FT2SEC	FT2SEC	/SEC	
٠,	€.0000	.53000	23.000	.5070-01	.4203-01	.5660-01	.2493-02	.20 - 8305.	. 2782 -02	1.615	17.85	559.9
22	2.0000	.56700	24.000	.5080-01	10-0124.	.5F 30-01	54-96-65.	. 2069-02	.2783-02	1.622	17.51	557.8
72	2.1.300	.62000	25.000	.3120-01	.2590-01	.3480-01	. 1536-02	. 1274-02	. 1711-02	j.006	88.01	552.9
타	2.3000	.67000	26.000	16-0691.	19-0/51.	.2100-01	. 9284 - 03	.7710-03	. 1034-02	.6100	6.637	550.7
57	P. 0000	.70500	27.000	1340-01	.1120-01	1200-01	.6603-03	.5485-03	.7352-03	.4350	£.665	n. or or
57	2.0000	.75000	38 .000	10-0-01	. 8500-02	11.50-01	.5093-03	.4231-03	.5670-03	.3350	3.671	9.0.v
72	2.0000	.80000	29.000	. B+30-62	.7000-02	- 3400-05	.4144-03	. 3443-03	.4613-03	.2730	3.004	548.9
72	2.0000	.82400	30.00	-2000-05	.1700-02	. 2200-02	·0-18/6	.8124-04	.1089-03	.6400-01	.8930	550.0
57	3.0000	.20000	31.000	.3380-01	.2800-01	.3770-01	. 1563-02	. 1378-02	. 1855-02	1.079	11.36	559.2
72	3.0000	.22500	32.000	.2880-01	.2390-01	.3210-01	50-414:	.1172-02	.1576-02	.9220	10.26	555.8
72	3.0000	.25000	33.000	. 2220-01	.1840-01	.2470-01	. 1092-02	.9063-03	.1216-02	.7160	7.986	551.8
72	3.0000	.27500	34.000	10-0461.	10-0441.	1930-01	.8533-03	. 7090-03	.9501-03	. 5620	6.720	548.8
72	3.0000	.30000	35,000	1560-01	.1300-01	1740-01	.7660-03	.6366-03	.8527-03	.5060	6.249	547.6
72	3.0000	.32500	36.000	.1650-01	1370-01	1840-01	.8113-03	.6743-03	.9030-03	.5360	6.272	547.3
72	3.0000	.35000	37.000	10-0452.	10-0112.	.2830-01	. 1250-02	.1039-02	. 1392-02	.8230	9.519	549.9
57	3.0000	.37500	38.000	.3240-01	.2690-01	.3610-0.	. 1591-02	.1321-02	50-5771,	1.044	12.19	921.8
72	3.0000	.40000	39.000	10-0148.	.3080-01	.4130-C1	. 1821-02	.1511-02	.2029-02	1.192	13.99	553.2
57	3.0000	.42500	40.030	.3090-01	.2570-61	.3450-31	. 1521-02	. 1262-02	. 1695-02	.9950	1.7	553.3
57	3.0000	.45000	41.000	.5410-01	.4480-01	.6030-01	. 2658-02	. 2203-02	. 2964 - 02	1.728	19.61	557.8
57	3.0000	.47500	42.000	.4519-01	.3740-01	.5036-01	.2218-02	. 1839-02	.2473-02	7,440	:5.96	557.6
57	3.0000	. 50000	43.000	. 3450-01	.2870-01	. 385/)-01	. 1698-02	. 1409-02	. 1892-02	1.110	12.30	553.9
57	3.0000	.52500	44.000	.2475-61	. 2050-01	.2760-01	. 1216-02	. 1010-02	.1354-02	. 7990	9.138	550.6
57	3.0000	.55000	45,300	10-016:	.:580-0:	.21 20-01	.9365-03	.7779-03	.1043-02	.6160	5.84!	550.1
57	3.0000	.60000	46.300	:110-0:	-0026	.1£40-0,	.5462-03	.4538-03	.6080-03	.3600	3.908	540.0
57	3.0000	.65000	47.000	.6200-02	5100-05	.6300-02	. 3043-03	. 2529-03	.3387-03	. 2010	P. 130	547.0
S,	3.0000	.70000	48.00c	.5500-02	.4600-02	50-001y	.2694-03	.2239-03	. 2999-03	.1780	960	547.1
57	3.0000	.75000	49.000	.4590-02	. 3800-02	5100-05.	. 2233-03	. 1856-03	.2485-03	. 1480	1.602	546.8
57	3.0000	.80000	50.000	.3300-02	50-0075.	.3500-02	1638-03	.1337-03	.1790-03	.1060	1.137	547.0
72	3.0000	.85000	51.000	-5500-05	. 2200-02	50-0062	.:295-03	.1075-03	1442-03	.8500-01	940.	551.2
57	3.0000	.87509	55.000	50-0014	3+30-05	.4500-02	.2033-03	.1688-03	.2255-03	. 1330	1.643	556.6
57	3.0000	.90000	53.000	.3700-02	3100-32	50-054.	.1840-03	.1527-03	. 2050-03	. 1200	559	103.
72	3.0000	. 92500	54.000	20-0249.	50-036.	20-002/	50-8916.	50-8305.	50-82C5.	0636	001.0	25.0 25.0
75	3.0000	95000	55.000	.7830-02	.6500-08	50-001A.	. 3845-03	50-5815.	.4686-U.S	. 2350	3 50	330.3 REF 0
57	4.0000	. 20000	77.000	10-0565	. 3650-01	10-000	20-8081.	00-0561	00-1013	0600	00.1	י מלה ס
72	. 0000	. 22500	72.000	. 3040-01	.2520-01	. 5390-01	20-4541.	20-8621.	20-0001.	0808	50.11	0.000 0.000 0.000
5	0000.	.25000	73.000	.2290-0:	13-0061.	. 2556-01	1166-02	50-0456.	יונים: מסירונים:	7.50	0.090 0.210	טטט. קינור מינונר
9 ;	0000	חמבי אי	000.47	10-0225	10-000	10-00-5	30-5501		100	000		55.15
72	٠, 0000	.30000	56.000	10-0112	1759-01	. 2350-01	.1037-02	.e507-03	50-54.1.	. 550 CFC	6.883 .6	5.100 1. F88
72	٠. 0000	. 32500	57.000	.3850-01	. 3200-01	10-065 4	- 1894 - 02	20-0/c1.	-6116-06	,	50.04	700
57	٠, 0000	.35000	58.000	.5010-01	.4150-01	. 5590-01	.2462-02	.2039-02	50-7475.	1.590	£0.55	B. 100
72	٠, 0000	.37500	59.000	.3390-01	. 2810-01	.3780-01	. 1667-02	. 1383-02	. 1858-02	1.039	14.20	354.4
22	۴.0000	00004	60.000	.2610-01	.2160-01	.2910-01	35-05	.1064-02	1428-02	.8390	10.95	553.0
51	4.0000	.42500	61.000	19-0661.	10-5-91	.2209-01	5-03	.8076-03	.1083-02	.6390	8. 34B	550.6

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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATE 07 OCT	00: 75		OH-74 (AEDC	(AEDC V418-BBA) HEATING DATA ON ORBITER FUSELAGE PORT	HEATING D	ATA ON ORE	91TER FUSEL		3015			PAGE	955
				OH-74 (AEE	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	1 B62C12F1	10M16W127E	52V8R19				(RVB002)	(200
2	TRALE	χ/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	н(10)	H(TAW)	apot	DTMOT	7	
AMBER				R=0.9	R=1.0	R-TAH	BTU/ R	BTU/ R	81U/ R	910/	DEG. R	0E0.	QΞ
							FT2SEC	FT2SEC	FT2SEC	FT2SEC	735/		
72	4.0000	45000	62.000	. 1240-C.1	1030-01	.1380-01	.6088-03	.5058-03	.6778-03	.4010	•,	54B.9	
72	4.0000	.47500	63.000	50-0068.	.7400-02	-0066	.4370-03	.3631-03	.4865-03	.2880	۳,	5+8.3	
72	4.0300	. 50000	64.000	50-0049.	5300-05	.7100-02	.3154-03	. 2621-03	.3510-03	. 2080	2.576	546.9	
57	4.3000	.52500	65.000	-4900-D2	-4100-0S	. 5500-02	.2429-03	.2020-03	.2704-03	0191	_	940 4	
72	4.0000	. 55000	86.000	SC-0004.	3400-05	-4500-0E	. 1960-03	1646-03	. 2203-03	0151.		345.8	
57	٠, 0000	.60000	67.000	3100-08	.2600-02	.3' 00-02	1509-03	. 1255-03	.1678-03	.1000+00	_	545.0	
72	4.0000	.65000	68.000	. 220002	. 1800-02	.7400-02	. 1065-03	.8855-04	.1185-03	.7103-01	.8272	545.8	
72	4.0000	.70060	69.000	60-00hi.	1100-02	. 1500-02	.6645-04	.5525-04	.7395-04	10-0044.		546.0	
57	4.0000	.75000	70.000	. 1600-02	.1400-02	. 1800-02	.8025-04	.6673-04	40-0£68 .	.5300-01	·	545.7	
72	4.0000	.80000	75.000	.2500-02	.2100-02	.2800-02	.1242-03	.1032-03	.1382-03	.8200-01	.9870	547.0	
37	4.0000	.85000	75.000	-4800-0S	₹000°°°	.5300-02	. 2353-03	. 1956-03	.2619-03	.1550	1.838	547.5	
57	4.0000	.87500	77.000	.3300-02	.2700-02	.3700-02	. 1519-03	. 1345-03	.1603-03	0701.	1.395	548.7	
75	4.0000	90000	78.000	. 32 30-08	.2600-02	.3500-02	.1560-03	.1296-03	.1737-03	.1030	1.328	549.0	
72	4.0000	. 92500	79.000	50-CCQ4.	.3300-02	50-004h.	. 1957-03	. 1626-03	.2179-03	.:290	1.590	549.4	
72	٠, 0000	.95000	80.000	.2600-02	. 2200-02	.2900-02	.1302-03	. 1081-03	E0-6441.	.8600-01	1.003	549.1	

HANNE HER HE													
### PRO 10 PM 1346 169.8 1.000 13.60 13.60 13.60 13.7 13.60					OH-7- (AE	OC V418-88/	N B62C12F	10M16W127E	52VBR19				
### ### PO 10 PHI YMA T P P O 0 V PHI YMA T P P O 0 V P	ORB11E	R FUSE, AGE							PARAM	ETRIC DATA			
#MCH ALPAA PO 170 PHI YAM T P P 0 0 0 0 V PSIA PSIA PSIA PSIA PSIA PSIA PSIA PSIA						BETA				ELEVON		RUDDER .	.0000
HACH ALPMA PO						S31•••	r con01110	•••SN					
### 1346. 168.6 1.000 97.50 .6990-01 3.967 3471. ### 155	RUN		ALPHA DEG.	8 <u>8</u>		PH1 066	YAW DEG.		PSIA	0 PSIA	V FT/SEC	RHO	HI LB-SEC
### ### ##############################	73		ģ.	3.	1346.	168.8	1.000	97.50	10-0068.	3.967	3871.	7616-04	/FT2 .7853-07
1.0000	RUN		HREF BTU/ R FT2SEC	STN NO R= 0.0175									
TRACE X.1. T.C NO HVHREF FTESEC FTESEC <td>î.</td> <td>5</td> <td></td> <td></td> <td></td> <td>•</td> <td>TEST DATA•</td> <td>:</td> <td>•</td> <td></td> <td></td> <td></td> <td></td>	î.	5				•	TEST DATA•	:	•				
FISEC FISE	2	TRACE	1/X	0N 0/1	H/HREF	H/HREF	H/HREF	H(9T0)	К(10)	H(TAH)	1000	DTMDT	7
1,0000 27500 1,0000 1570-01 1,1750-01 7734-03 6435-03 3601-03 5160 5.160 5.160 5.160 5.160 5.160 5.160 5.160 5.160 5.160 5.160 5.160 5.160 5.160 5.160 5.160 5.160 5.160 5.160 5.160 6.160 <td>NUMBER</td> <td></td> <td>;</td> <td>) •</td> <td>R*0.9</td> <td>R=1.0</td> <td>R-TAH</td> <td>BTU/ R</td> <td>BTU/ R</td> <td>BTU/ R</td> <td>8TU/</td> <td>DEG. R</td> <td>DEG. R</td>	NUMBER		;) •	R*0.9	R=1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	8TU/	DEG. R	DEG. R
1,0000 1,570-01 1,190-01 1,734-03 6435-03 3,861-03 5,160 1,0000 3,0000 2,0000 1,420-01 1,180-01 1,734-03 6435-03 1,960-01 1,734-03 6435-03 1,960-01 1,0000								FT2SEC	FT2SEC	FT2SEC	FTZSEC)SEC	
1,0000 3,3500 2,0000 1,190-01 1,1580-01 7,005-03 5,829-03 7731-03 4580 1,0000 1,3500 3,0000 1,190-01 1,1580-01 7,005-03 5,829-03 7731-03 4580 1,0000 1,190-01 1,150-01 1,1530-01 5,550-03 7759-03 4590 1,0000 1,190-01 1,150-01 1,1530-01 1,003-03 7759-03 7599-03 1,950 1,0000 1,190-01 1,150-01 1,1030-02 1,0030 1,150-01 1,150-01 1,1030-02 1,150-03 1	73	1.0000	.27500	1.0000	.1570-01	.1310-01	.1750-01	.7734-03	.6435-03	.3601-03	.5160	5.346	ν.
1,00000 3,25500 4,00000 1,1390-01 1,150-01 1,1530-01 1,0380-02 3,6550-03 3,5500 1,00000 1,25500 4,00000 1,1380-01 1,150-	73	1.0000	.30000	2.0000	10-0241	1180-01	.1580-01	.7005-03	.5829-03	50-1877.	. 4580 2020	4.950	344.C
1,0000 4,000 5,000 1,100 1,150-01 2350-01 1038-02 6532-03 1,154-02 6910 1,0000	۲5 ل	0000.	32500	3.0000	10-0611.	30-00511.	1930-01	6789-03	.5630-03	.7549-03	0454.	4.70.	543.4
1,0000 4,0000 6,0000 1,1150-01 1,2360-01 1,038-02 1,154-02 6675-03 1,154-02 6910 1,0000 4,2500 7,0000 1,1630-01 1,810-01 8025-03 6675-03 1,898-03 5340 1,0000 4,5500 8,0000 1,830-01 1,520-01 1,810-01 9654-03 1,932-02 1,700 1,0000 4,7500 9,0000 2,3260-01 1,950-01 1,111-02 9488-03 1,292-02 7730 1,0000 5,5900 10,000 2,5240-01 1,2500-01 1,111-02 9488-03 1,270-02 7560 1,0000 5,5000 12,000 2,540-01 2,5800-01 1,1900-02 1,1948-02 1,1948-02 1,1948-02 1,1948-03 1,193-02 1,1948-03 1,193-02 1,193-02 1,1948-03 1,193-02 1,1948-03 1,1948-03 1,193-02 1,1948-03 1,193-02 1,1948-03 1,1948-03 1,193-02 1,1948-03 1,1948-03 1,1948-03 1,1948-03 1,1948-03 1,1948-03	73	1.0000	.37500	5.0000	. 1800-01	1500-01	.2010-01	.6874-03	.7381-03	.9872-03	.5910	6.203	545.F
1,0000 .42500 7,0000 .1630-01 .1810-01 .8025-03 .6675-03 .8928-03 .5340 1,0000 .45000 8,0000 .1830-01 .2640-01 .9017-03 .7500-03 .1003-02 .6000 1,0000 .47500 9,0000 .2326-01 .1950-01 .1161-02 .9654-03 .1292-02 .7700 1,0000 .52900 10,000 .2326-01 .1950-01 .1161-02 .9654-03 .1292-02 .7500 1,0000 .52500 11,000 .2540-01 .2580-01 .1940-02 .1498-02 .1698-02 .1790-02 .1498-02 .7580 1,0000 .5500 12,000 .3330-01 .2770-01 .1690-02 .1948-02 .1948-02 .1798-02 .1950-02 .1948-02 .1948-02 .1948-02 .1948-02 .1948-02 .1948-02 .1948-02 .1948-02 .1948-02 .1948-02 .1948-02 .1948-02 .1948-02 .1948-02 .1948-03 .1948-03 .1948-03 .1948-03 .1948-03 .194	73	1.0000	40000	6.0000	.2110-01	1750-01	.2350-01	.1038-02	.8632-03	.1154-02	.6910	7.085	545.8
1,0000 4,5000 8,0000 1,830-01 1,520-01 2040-01 9017-03 7500-03 1,003-02 6000 1,0000 4,7500 9,0000 2,236-01 1,960-01 1,161-02 9654-03 1,1292-02 7700 1,0000 5,5000 1,0000 2,2320-01 1,930-01 1,111-02 9488-03 1,1270-02 7580 1,0000 1,25200 1,1000 2,2540-01 2240-01 1,111-02 9488-03 1,1270-02 1,193 1,0000 1,25200 1,1000 2,2600-01 3,0000 1,240-01 1,240-01 1,240-01 1,190-02 1,193 1,193 1,0000 1,25000 1,2000 1,2000 1,240-01 1,240-01 1,240-02 1,193 1,193 1,0000 1,2000 1,2000 1,240-01 1,2421-02 1,2421-02 1,268-02 1,193 1,0000 1,2000 1,2000 1,2421-02 1,2421-02 1,268-02 1,291 1,2000 1,2000 1,2000 1,2421-02 1,2421-02 1,268-02 1,291 1,2000 1,25000 1,25000 1,240-01 1,2421-02 1,2421-02 1,268-02 1,291 1,2000 1,25000 1,25000 1,2500-01 1,2421-02 1,2421-02 1,268-02 1,291 1,2000 1,25000 1,25000 1,2500-01 1,2421-02 1,2421-02 1,2421-02 1,268-02 1,291 1,2000 1,25000 1,25000 1,2500-01 1,2421-02 1,2421-02 1,269-02 1,291	73	1.0000	.42500	7.0000	.1630-01	. 1360-01	. 1810-01	. 8025-03	.6675-03	.8928-03	.5340	5.529	ອ ເ ເ ເ ເ ເ ເ ເ ເ ເ ເ ເ ເ ເ ເ ເ c c c c c
1,0000 47500 9,0000 2320-01 1990-01 2590-01 1101-02 3034-03 1257-02 7750 1,0000 1,0000 2520-01 1900-01 2590-01 1900-01 2590-01 1900-01 1900-01 1900-01 1900-01 1900-01 1900-01 1900-01 1900-01 1900-02 1998-03 11270-02 1985 11.000 15.000 15.000 1330-01 2770-01 1900-01 1900-02 1955-02 11.000 19.000 15.0000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.0000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.0000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.0000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.0000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.0000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.0000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.0000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.0000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.0000 15.0	73	1.0000	.45000	8.0000	. 1830-01	. 1520-01	.2040-01	.9017-03	.7500-03	. 1003-02	.6000	6.129	51.7
1,0000	73	0000.1	.47500	9.0000	10-0955.	10-0201	10-0595	20-1211	50-4605.	50-05-11	7580	7.657	6,7
1,0000	2 2	0000	50063	1000	10-0355	10-0055.	2940-01	. 1300-02	. 1081 -02	.1447-02	. 9630	8.720	547.7
1,0000 .6000 13.000 .2330-01 .2770-01 .3710-01 .1639-02 .1361-02 .1825-02 1.082 1,0000 .65000 14,000 .4920-01 .4080-01 .2421-02 .2010-02 .2698-02 1.591 1,0000 .75000 15,000 .2330-01 .1940-01 .2590-03 .1147-02 .9527-03 .1277-02 .1580-03 1,0000 .75000 16,000 .2500-02 .2100-02 .1860-03 .3100 .1800-01 .2500-02 .1000-03 .3100 .2800-03 .11690-03 .8100-01 .2900-03 .11600-03 .8100-01 .2900-03 .11600-03 .29100-03	; £	0000	55000	12.000	.3660-01	3040-01	1U-0804.	. 1802-02	.1498-02	-5008-	1.193	11.95	549.1
1.0000 .55000 14.000 .5330-01 .9920-01 .5483-01 .2421-02 .2699-02 .2699-02 .1147-02 .2697-03 .1277-02 .1591 1.0000 .70000 15.000 .2330-01 .1940-01 .2590-01 .1147-02 .9527-03 .1277-02 .1580-03 1.0000 .75000 .15.000 .9500-02 .7900-02 .1060-03 .3150-03 .3100-01 2.0000 .28500 .11.000 .18500 .11.000 .1330-03 .1330-03 .9314-03 .5130-03 2.0000 .28500 .11.000 .18500 .11.000 .1830-03 .1830-03 .9314-03 .5510-03 2.0000 .28500 .11.000 .18500 .11.000 .1830-03 .9314-03 .6916-03 .9510-03 2.0000 .29000 .20000 .20000 .20000 .20000 .20000 .20000 .20000 .20000 .20000 .20000 .20000 .20000 .20000 .20000 .20000 .20000 .20000	. 27	1.0000	.60000	13.000	.3330-01	.2770-01	.37:0-01	.1639-02	.1361-02	. 1825-02	1.082	16.01	551.6
1,0000 75000 15,000 2330-01 1940-01 2590-01 1147-02 9527-03 1277-02 7580 1,0000 75000 16.000 9500-02 7900-02 1050-01 4660-03 3875-03 5186-03 3100 2,0000 2,0000 17.000 1690-01 1400-01 1880-01 8305-03 5910-03 9570-03 5540 2,0000 33700 19.000 1650-01 1370-01 1810-03 6114-03 6752-03 1964-02 1850-03 5410 2,0000 20.000 2670-01 1760-01 2850-01 17100-01 1760-01 1870-01 1816-02 1964-02 1850-03 2,0000 29.000 2670-01 2750-01 2850-01 1760-01 2850-01 18664-03 1159-02 8930	73	1.0000	.65000	14.000	.4920-01	10-0804	.5483-01	.2421-02	. 2010-02	. 2698-02	1.591	16.03	554.3
1,0000 .75000 16.000 .9500-02 .7900-02 .1050-01 .4660-03 .3875-03 .5186-03 .3100 .10000 .17.000 .2550-02 .2100-02 .2800-n2 .1222-03 .1016-03 .1360-03 .8100-01 .28000 .28000 .19.000 .1690-01 .1400-01 .1830-01 .8305-03 .6910-03 .9277-03 .5540 .2.0000 .33700 .19.000 .1650-01 .1370-01 .1830-01 .8114-03 .6752-03 .9025-03 .5410 .2.0000 .29.000 .2670-01 .2820-01 .2970-01 .1316-02 .1094-02 .1464-02 .8750 .2.0000 .42600 .21.000 .2120-01 .1760-01 .2350-01 .1042-02 .8664-03 .1159-02 .6930	73	1.0000	.70000	15.000	.2330-01	10-0461.	10-0652.	.1147-02	.9527-03	. 1277-02	.7580	7.383	550.3
1.000080000 17.000 .2550-02 .2100-02 .2800-n2 .1222-03 .1016-03 .1360-03 .8100-01 .20000 .28500 18.000 .1590-01 .1400-01 .1880-01 .8305-03 .5910-03 .9277-03 .5540 .20000 .33700 19.000 .1650-01 .1370-01 .1830-01 .814-03 .6752-03 .9025-03 .5410 .20000 .29000 .20000 .2670-01 .2220-01 .2970-01 .1316-02 .1094-02 .1464-02 .8750 .20000 .2970-01 .1760-01 .2350-01 .1042-02 .8664-03 .1159-02 .8930 .39000 .20000 .2120-01 .1760-01 .2350-01 .1042-02 .8664-03 .1159-02 .8930	73	1.0000	.75000	16.000	.9500-02	.7900-02	. 1050-01	.4660-03	. 3875-03	.5186-03	.3100	3.130	547.1
2.0000 .28500 18.000 .1690-01 .1400-01 .1880-01 .8305-03 .6910-03 .9277-03 .5540	73	1.0000	.80000	17.000	.2500-02	.2100-02	.2800-n2	. 1222-03	.1016-03	. 1360-03	.8100-01	. 7850	546.8
2.0000 .33700 19.000 .1650-01 .1370-01 .1830-01 .8114-03 .6752-03 .9025-03 .5410 .2.0000 .29000 .20.000 .2670-01 .2220-01 .2970-01 .1316-02 .1094-02 .1464-02 .8750 .2.0000 .29000 .20.000 .21.000 .21.000 .21.000 .21.000 .1760-01 .1760-01 .1042-01 .1042-02 .8664-03 .1153-02 .6930	73	2.0000	.28500	18.000	10-0691.	10-00+1.	.1880-01	.8305-03	.6910-03	. 9237-03	.5540	464.9	7. 7.70
2.0000 39600 20.000 2670-01 .2220-01 .2970-01 .1316-02 .1094-02 .1169-02 .8750 2.0000 .42600 21.000 .2120-01 .1760-01 .2360-01 .1042-02 .8664-03 .1159-02 .6930	73	2.0000	.33700	19,000	10-0591.	.1370-01	. 1830-01	.8114-03	.6752-03	. 9025-03	.5410	6.382	1 2€
2.0000 5-620 21.000 21.000 1760-01 5360-01 1042-02 8664-03 1159-02 6930	73	2.0000	39600	20.000	.2670-01	.2220-01	10-0765.	.1316-02	- 1094 - 02	1464-02	.8750	10.30	5,6,2
CHC - CC FORT CC FORT CC COLUMN	73	2.0000	.42600	21.000	.2120-01	10-0941	.2360-01	-1042-02	. 8664-03	50-6511.	.6930	÷ (2.0.0

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DATE 07	0CT 75		OH-74 (AED)	04-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT	HEATING E	NATA ON ORE	ITER FUSEL	AGE PORT S	3 0			PAGE 230
				GH-74 (AEI	C V418-884	CH-74 (AEDC V418-88A) BG2C12F1OM1GW127E52V8R19	OH16H127E	52VBR19				(RVB002)
2	TRATE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(9T0)	H(10)	HCTAN	1000	DTMOT	
NUMBER	1	Ì		R=0.9	R=1.0	R=TAW	97U/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FTZSEC	FTZSEC	FTZSEC	FT2SEC	/SEC	
73	2.0000	.53000	23.000	10-0444	. 3680-01	10-0-61	.2184-02	. 1913-02	.2433-02	1.437	5.93	955.4
73	2.0000	.56700	24.000	. 2960-01	.2460-01	.3290-01	. 1455-02	. 1209-02	. 1620-02	.9620	10.43	D.056
73	2.1300	.62000	25.000	.2230-01	. 1850-01	.2480-01	.1095-02	.9105-03	. 1219-02	. 7260	7.874	548.5
73	2.3000	.67000	26.000	.9600-02	.8000-02	.1070-01	.4729-03	. 3934-03	.5261-03	.3150	3.421	545.4
73	2.0000	.70500	27.000	. 7500-02	.6200-02	.8300-02	.3684-03	.3065-03	.4097-03	.2460	2.643	544.5
5.7	2.0000	.75000	28.000	-009h.	.3900-02	.5200-02	. 2285-03	. 1902-03	.2541-03	.1530	1.674	543.8
73	2.0000	60008.	23.000	.3000-02	.2500-02	.3300-02	.1462-03	.1217-03	. 1626-03	10-0086	1.075	4.440
73	2.0000	.82400	30.000	.9000-03	.7000-03	.1000-02	.4257-04	.35+0-0+	4736-04	.2800-01	.3940	546.0
73	3.0000	.2000	31.000	.3450-01	.2870-01	.3850-01	.1699-02	.1410-02	. 1893-02	1.117	11.79	553.9
73	3.0000	.22500	32.000	.2930-01	10-0442.	.3270-01	.1443-02	.1199-02	.1607-02	.9530	10.63	550.9
73	3.0000	.25000	33.000	.2210-01	1840-01	.2460-01	.1089-02	.9054-03	. 1211-02	.7240	8.03 t	546.5
73	3.0000	.27500	34.000	10-0771.	10-0841.	10-0761.	.8725-03	.7260-03	.9705-03	.5820	996.9	544.6
73	3.0000	.30000	35.000	1460-01	10-0121	.1620-01	.7162-03	.5962-03	.7964-03	.479D	5.930	54.7.8
73	3.0060	.32500	36.000	10-0115.	.1750-01	.2340-01	.1037-02	.8631-03	.1153-02	.6930	8	543.5
73	3.0000	.35000	37.000	.2960-01	.2460-01	.3290-01	.1455-02	. 1210-02	.1618-02	.9680	11.23	545.7
73	3.0000	.37500	38.000	.3070-01	.2550-01	.3420-01	.1511-02	.1257-02	.1682-02	1.005	. 11.76	546.6
73	3.0000	40000	39.000	.2130-01	1780-01	.2370-01	.1050-02	. 8736-03	.1168-02	.7000	8.255	544.3
73	3.0000	.42500	40.000	.4300-01	.3570-01	10-0674.	-2117-02	.1758-02	.2358-02	1.397	16.49	551.5
73	3.0000	.45000	41.000	.3520-0!	. 2920-01	.3910-01	.1730-02	.1438-02	. 1925-02	1.147	13.07	548.4
73	3.0000	.47500	42.000	. 3250-01	.2700-01	.3620-01	.1600-02	. 1329-02	.1781-02	1.059	11.77	
73	3.0000	.50000	43.000	. 3060-01	. 2540-01	.3410-01	.1507-02	. 1252-02	.1677-02	.9980	11.09	549.0
73	3.0000	.52500	44.000	. 1870-01	. 1550-01	. 2080-01	.9197-03	.7650-03	.1023-02	.6120	7.167	546. i
73	3.0000	.55000	45.000	1390-01	.1150-01	.1540-01	.6830-03	.5683-03	.7597-03	.4550	5.069	9,44.8
73	3.0000	.60000	46.000	.7900-02	.6600-02	. 8900-02	.3880-03	. 3230-03	.4315-03	.2590	2.819	543.2
73	3.0000	.65000	47.000	.5600-02	50-0074.	.6200-02	. 2750-03	. 2289-03	.3058-03	.1840	1.952	542.8
73	3.0000	. 70000	48.000	50-000h.	.3300-02	20-00+4.	. 1962-03	. 1633-03	.2181-03	.1310	o +	5. N. S.
73	3.0000	.75000	49.000	.2800-02	.2300-02	.3100-02	.1378-03	.1147-03	.1532-03	10-0026	1.002	542.7
73	3.0000	. 80000	50.000	.2300-02	. 1900-02	.2600-02	.1131-03	·9+13-0+	. 1258-03	7600-01	0508.	945.8
73	3.0000	.85000	51.000	-1500-02	. 1200-02	.1600-02	. 7253-04	.6031-04	-0409.	10-0084	0960	יים ליני יים בינים
73	3.0000	.87509	52.000	. 1500-02	. 1200-02	. 1630-02	.7217-04	-0009·	.8031-04	10-0085	0066	147.4 FL7 F
73	3.0000	00006	53.000	. 1300-02	1100-02	- 1400-02	-0829.	- 125C- 14	-0-886-0-		0676	7 L L
73	3.0000	.92500	54.000	. 1700-02	- 1400-02	50-0061.	- S-48.	, /016-U4	-0-CCC:	10-0095	7710	ייני איני פייני איני
73	3.0000	.95000	55.000	2000-05	20-0061.	20-0002.	50-8411.	40-44CE.	60-4006		 	558.3
73	٠.0000	. 20030	71.000	3800-01	10-0515.	70-03-01	20-0791	1195-02	1604-02	0640	80.	552.7
73	0000.4	0000	000.57	10-0000	10-0561	2540-01	20-761.	50-4450	1251-02	7450	8.711	548.9
27	*.0000	00000	25.000	10-0035.	10-056	30-00-01	1325-02	1101-02	1474-02	.8770	10.82	549.4
. t	1 1	מטטעב	56.000	10-0452	.2110-01	.2839-01	. 1252-02	. 1041-02	.1393-02	.8310	10.87	547.9
; t	10000	35500	57.000	.3680-01	.3050-01	10-0604.	. 1809-02	. 1502-02	.2014-02	1.193	15.58	551.6
. K	0000	35000	58.000	.2850-01	.2370-01	.3170-01	.1403-02	.1166-02	. 1562-02	.9300	12.15	548.9
, F	0000	37500	59.000	.2800-0	.2330-01	.3110-01	.1376-02	1144-02	. 1532-02	.9130	11.93	548.4
2 12	0000	00004	60,000	.2780-01	.2310-01	10-0602	. 1366-02	.1136-02	. 1520-02	.9060	11.85	5.8.2
73	4.0000	.42500	61.000	1470-01	.,220-01	16-0-91	.7243-03	.6026-03	.8057-03	.4830	6.322	545.0
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 $A_{21} = \{ 2, 1, 2^{2n}, 1, 2^{2n}, 2^{2n}, 3^{2n},

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中野 東京教育 人名英格兰 医克里奇氏 國南人名 医人名 人名英格兰人名

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DATE 07	DATE 07 OCT 75		0H-74 (AEDC V41B-BBA)	W-18-88A)	HEATING DI	ATA ON ORB	TER FUSEL	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	32			PAGE 251
				OH-74 (AED	04-74 (AEDC V418-88A) 862C12F10M16M127E52V8R19	1 862C12F1	OM16W127ES	2V8R19				(RVB002)
Ş	1RA.E	χ/L	1/C NO	H/HREF	H/HREF	H/HREF	н(910)	H(10)	H(TAW)	0000T	DTMOT	1 E
NUMBER				A=0.9	R*1.0	R=TAW	BTU/ R FT2SEC	BTU/ R FT25EC	BTU/ R FT2SEC	FT2SEC	/SEC	
73	4.0000	.45000	62.000	-0066 .		10-0011.	.4866-03	.4051-03		.3250	4.214	543.1
73	4.0000	.47500	63.000	.7500-02	.6200-02	.8300-02	.3690-03	.3072-03		.2470	3.142	5.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 1
73	4, 1.300	. 50000	64.000	5400-05		.6000-02	.2645-03	.221.2-03		.1770	2.193	יי לא ני מי על ני
7	4.3000	. 52500	65.000	20-0024		.5300-02	. 2326-03	. 1936-03		.1560	1.928	5,2,5
7	4.0000	.55000	66.000	.3500-ગટ		.3900-02	.1727-03	.1438-03		.1160	1.357	D. 1.0
. 22	. P000	.60000	44.0 00	50-00-2		.2400-02	.1063-03	.8853-04		.7100-01	.8020	541.7
73	4.0000	.65000	69.000	.1400-02		.1500-02	.6823-04	.5681-04		10-0094	.5360	54. 'B
73	4.0000	. 70000	69.000	.2100-02		.2300-02	.1010-03	*0-6G*8°		10-0089	.7520	343.1
73	4.0000	.75000	70.000	.2300-02	. 1900-02	.2500-02	.1110-03	.9237-04	. 1234-03	10-00-1	.8260	543.6
73	4.0000	.80000	75.000	.1400-02		.1500-02	.6817-04	.5672-04		.4500-01	000	5 t t 1
73	4.0000	.85000	76.000	. 1305-02	.1100-02	.1400-02	.6312-04	.5252-04	.7021-04	.4200-01	0654.	7.44.
73	4.0000	.87500	77.000	.1100-32	.9000-03	. 1200-02	. 5232-04	.4352-04	.5821-04	.3500-01	0964	340.0
73	0000	.90000	78.000	.1300-02	.1100-02	.1400-02	.6343-04	.5277-04	.7060-04	.4200-01	.5460	0.44.u
	0000	92500	79.000	. 1900-02	.1600-C2	-2100-05	. 9423-04	.7836-04	.1048-03	.6300-01	04/1	546.6
73	4.0000	.95000	8n.000	.3700-02	.3100-02	.4200-02	. 1843-03	, 1532-03	.2050-03	.:220	1.433	547.2

()

The second of th

DATE 07	DATE 07 OCT 75		04-74 (AEDC V418-58A) HEATING DATA ON ORBITER FUSELAGE PORT	. V418-58A)	HEATING	DATA ON ORE	BITER FUSE	LAGE PORT	3018			PAGE 232	
				0H-74 (AE	04-74 (AEDC V418-88A) BG2C12F10M16W127E52VBR19	A) B62C12F1	OM16W127E	52V8R19				(RVB003)	
ORBITER	ORBITER FUSE, AUE							PARAM	PARAMETRIC DATA				
					BETA	- 2.000	MACH	8.000	ELEVON .	. 0000	RUDDER -	. 0000	
					•••1ES	***TEST CONDITIONS***	<u>S</u>						
RUN	MACH	ALPHA DEG.	PO PSIA	T0 DEG. R	PH1 DE6.	YAW DEG.	T DEG. R	P PSIA	0 0	V FT/SEC	RHO SLUGS	MU LB-SEC	
8	7.880	19.84	79.60	1170.	-166.6	2.400	87.20	.9000-02	.3910	3605.	7F13 .8656-05	.7020-07	
NG R	RN/L X10 6 /FT	HREF BTU/ R FT2SEC	STN NO R= .0175										
ł					:	**************************************	•						
2	TRACE	X/L	1/C NO	H/HPEF	H/HREF	H/HREF	H(910)	H(10)	HCTAN	1000	DIMOT	3	
NUMBER		•	! :	R=0.9	R=1.0	R-TAW	81U/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R	
							FTZSEC	FT2SEC	FT2SEC	FT2SEC	7550		
8 8	1.0000	30000	1.0000	10-0081	11460-01	.2030-01	20-2175.	. 2207-03	.3063-03	.1390	1.438	542.0	
8	1.0000	.32500	3.0000	10-0501.	.8600-02	.1190-01	.1585-03	. 1290-03	.1790-03	.8100-01	.8340	541.3	
28 6	1.0000	.35000	4.0000	. 1030-01	-0-00+8.	.1160-01	. 1547-03	.1260-03	.1747-03	10-0064.	.8220		
3 B	1.0000	. 3 7500 00004.	5.0000 6.0000	.1110-01	50-0008. 50-0016.	.1260-01	.1488-03	.1367-03	. 1630-03	.7600-01	.8840	941.4 941.1	
8	1.0000	.42500	7.0000	.1070-01	.8700-02	.1210-01	.1619-03	.1318-03	. 1828-03	.8300-01	8600	541.3	
28 3	1.0000	.45000	8.0000	. 1250-01	. 1020-01	19-01-1	. 1889-03	.1538-03	. 2133-03	10-0046.	0066	5+0.9	
8 8 8	1.0000	.5000	9.0000	1350-01	10-0011.	1920-01	.2033-03	. 1555-03	. 2995-03	.1350	1.369	041.1	
8	1.0000	.52500	11.000	.2110-01	17:0-01	.2380-01	.3177-03	.2586-03	.3588-73	.1620	8+9	541.6	
85	1.0000	. 55000	12.000	.2130-91	.1739-01	.2410-01	. 3213-03		. 3628-03	. 1640	1 652	541.4	
85	1.0000	.60000	13.000	.27~0-01	.2200-01	.3050-01	.4070-03	.33, 73	. 4596-03	.2080	2.116	541.7	
8 8	1.0000	.65000	000 71	10-0262	3180-01	10-0244.	.5904-03	.4803-03	.6569-03	.3010	3.052	547.8	
26 6	0000	25000	15.700	10-0204	10-0895.	10-0116.	.6818-03	50-6466.	. / /U3-U3	34 (0	3.593	043. / 544 J	
8 8	1.0000	00000	17.000	2450-01	1970-01	.2740-01	.3657-03	.2974-03	.4130-03	. 1860	1.807	543.0	
8	2.0000	.28500	:8.000	.1660-01	. 1350-01	. 1880-01	.2504-03	.2038-03	.28?8-03	.:280	1.502	541.9	
85	2.0000	.33700	19.000	.1410-01	.1159-01	16-0651.	.2127-03	.1731-03	.2401-03	.1090	1.285	541.3	
85	2.0000	. 39000	20.000	.1520-01	10-0421.	10-0241.	.2293-03	.1867-03	.2583-03	.1170	1.385	5+1.0	
85	2.0000	.42600	21.000	.1730-01	1410-01	1960-01	.2612-03	.2126-03	.2949-03	. 1340	1.570	~ : - in	
e Bi	2.00 03	.47800	22.000	. 2 980-01	. 2180-01	. 30 50 - 01	.4047-03	. 3294-03	.45/U-U3	or 95.	F. 508	041.5	

DATE 07	0CT 75		0H-74 (AEDO	OH-74 (AEDC V418-88A)	HEATING (DATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT	AGE PORT !	SIDE			PAGE 233
				OH-74 (AE	OH-74 (AEDC V418-88A) BG2C12F1DM16W127E52V8R19	v) B62C12F	IOM16W127ES	52V8R19				(RV8003)
3	TRAIE	x/L	1/C NO	H, HREF	H/HREF	H/HREF	H(910)	H(T0)	H(TAH)	200 0	DTMDT	3
NUMBER				R*0.9	R-1.0	R-TAW	BTU/ R	BTU/ R	BTU/ R	910/	OEG. R	DEG. R
0	600	0000	000 10	10-0262	10-02-36	3550-01	FT25EC	F125EC	FT25EC	7.255.0	/SEC	5 C T C
<u>.</u>	0000	56700	25.000	10-0-10494	3780-01	.5250-31	.7002-03	5695-03	50-6064	.3570	3.881	543
8	2.7300	.62000	25.000	.5273-01	.4290-01	.5950-01	.7947-03	.6464-03	8978-03	.4050	4.405	543.2
8	2.3000	.67000	26.000	.3440-01	.2800-01	:0-068£	.5191-03	.4222-03	.5864-03	.2650	2.877	543.0
69	e.0000	.70500	27.000	.2480-01	. 2920-01	:6-0082	.3744-03	.3046-03	.4229-03	1910	2 .060	545.8
85	2.0000	.75000	28.000	1840-01	10-0051.	.2080-01	.2777-03	. 2265-03	.3136-03	.1420	1.559	6. 5.
8	2.0000	.80000	29.000	10-0741.	1200-01	.1660-01	. 2222-03	.1808-03	.2509-03	0.11.	. 85°.	8.140
8	2.0000	.62430	30.000	5100-05	.4200-0 2	.5800-02	40-42LL	.5286-04	-3-22-C	3900-01	.5510	541.7
8	3.0000	.20000	31.500	.3470-01	. 2920-01	.3920-01	.5235-03	.4254-03	.5917-03	.2660	2.815	545.6
8	3.0000	.22500	32.000	.2850-01	. 2320-01	. 3220-01	. 4304-03	.3499-03	.4863-03	.2190	164.9	D. + + 10
絽	3.0000	.25000	33.000	.2073-0:	16-0891.	.2330-01	.3116-03	. 2534-03	.3520-03	.1590	9.7.	543.4
82	3.0000	.27500	34.000	10-0891	10-075:	1900-01	.2537-03	.2064-03	.2865-03	. 1300	. 553	542.3
8	3.0000	30000	35.000	.1450-01	.1180-01	1640-01	.2185-03	.1778-03	.2467-03	. 1120	1.385	941.6
8	3.0000	. 32500	36.000	1430-01	.1170-0:	.1620-01	.2150-03	.1759-03	. 24 39-03	.:110	. 298	541.2
8	3.0000	.35000	37.300	1540-01	. 1250-01	1740-01	. 2321-03	.1889-03	.2620-03	J61.	. 38:	541.0
8	3.0000	.37500	39.000	.1570-0:	1570-01	10-0771.	. 2362-03	.1922-03	. 2665-03	. 1210	1.420	5+0.9
8	3.0000	03004.	39.000	.2030-91	.1650-01	. 2290-01	.3060-03	.2491-03	3454-03	.1570	1.85;	540.8
8	3.000€	.42500	700°34	.2750-0!	.2240-01	.3110-01	.4155-03	.3381-03	.4691-03	.2130	2.523	Ø41.3
85	3.0000	000Sm.	41.000	.3550-01	.2890-01	.4010~01	. 5355-03	.4358-03	.6046-03	.2740	3.133	541.5
8	3.000 E	.47500	42.000	10-0104.	.3270-0	.4530-01	.6052-03	.4924-03	. 5834-03	.3090	3.449	941.9
82	3.0000	.50000	43.00C	16-0454	.3700-01	.5130-01	. 5852-03	.5574-03	50-0477.	.3500	3.897	542.8
85	3.0000	. 52500	390.44	.5300-01	.4310-01	.5990-01	. 7994-03	.6503-03	. 9029-03	0804.	4.788	542.6
96	3.0000	.55000	45.000	.5310-01	.4320-01	.5990-01	.8003-03	.5510-03	.90+0-03	.4080	4.552	542.8
8	3.0000	07 309.	¥6.00¢	.3250-01	.2640-01	.3670-01	.4896-03	.3984-03	. 5528-03	.2500	2.724	541.7
8	3.0000	.65000	47.003	.2115-01	10-024:	. 2390-01	.3188-03	. 2594-03	.3599-03	. 1630	732	υ+1.0
£	3.0000	. 70000	48.000	10-0621	.1130-01	.1570-01	.2100-03	.1709-03	. 237; -03	.:070	1.187	. I - I
8	3.0000	.75000	49.000	10-0811.	.9600-02	.1330-01	. 1775 -03	.1447-03	.2007-03	15-0316.	0066.	541.3
8	3.0000	.80000	50.003	10-0021	.9700-0 2	.1350-01	. 1806-03	.1469-03	.2039-03	.9200-01	0066	541.6
8	3.0000	.85000	51.000	.5300-02	-4300-02	.6000-02	.8053-04	.6551-04	.0-3606.	.4100-01	.5090	542.5
8	3.0000	.B7501	52.000	10-0201.	. B300-02	1150-01	.1538-03	,125!-03	1738-03	.7800-01	9710	543.3
28	3.000€	.90000	53.000	10-0801.	.6800-02	.1220-01	.1634-03	.1329-03	.1845-03	.8320-01	1.159	543.6
絽	3.0000	.92500	54.000	.9850-02	. 7900-02	10-0011.	.1474-03	1199-03	1656-03	.7500-01	0486.	543.7
8	3.0000	.95000	55.000	-9000-02	.7300-02	10-0101.	.1352-03	.1100-03	.1527-03	.6900-01	.6990	543.0
8	۴.0000	.20000	71.000	.4030-01	.3270-01	.4563-01	.6081-03	.4938-03	.6878-03	.3070	3.504	547.7
8	4.0000	.22500	72.000	.3070-01	.2500-01	.3460-01	.4630-03	.3776-03	.5220-03	.2400	2.853	535.3
8	4.0000	.25000	73.000	.2410-01	10-0961.	.2720-01	.3631-03	.2952-03	.4:03-03	.1850	2.166	544.2
8	4.0000	.275,00	₩,000	. 1870-01	. 1520-01	.2110-01	.2812-03	.2287-03	.3177-03	.1430	1.775	543.3
8	۴.0000	30000	56.000	.1760-01	10-05+1.	10-0861.	.2547-03	.2154-03	.2939-03	. 1350	1.773	542.3
8	۴.0000	.32500	57.000	. 1870-01	. 1520-01	.2119-61	.2818-03	. 2293-03	.3182-03	0751.	1.890	941.8
8	۴.0000	.35000	58.000	.2410-01	.1960-01	.2720-01	.3636-03	. 2959-03	.4:06-03	.1860	2.440	541.6
8	۶.0000	.37500	59.000	. 3620-01	.2940-01	.4090-01	.5455-03	£0-6£+4.	.6162-03	.2790	3.655	542.3
8	٠, 0000	00004	60.00	.5110-01	.4160-01	.5770-01	.7704-63	.6267-03	.8701-03	. 3930	5.155	542.8
8	0000.⊀	.42500	61.000	10-0684.	.3980-01	.5520-01	.7372-03	.5997-03	.8327-03	.3760	٠.932	54.P.S

DATE OF	DATE 07 OCT 75		OH-74 (AEDC V4:9-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	V4:9-984)	HEATING D	MATA ON OR	BITER FUSE	LAGE PORT	3016			PAGE 254	
				OH-74 (AEL	CH-74 (AEDC V418-88A) BG2C12F10H1GH127E52VBR19	n B62C12F	OHI GWI 27E	52VBR19				(RVB003)	
Z	TRA	X /L	1/C NO	H/HREF	H/HREF	H/HREF	H(970)	н 10°	HC TAW)	1000	DTMOT	3	
200	l	I :		8-0.9	R-1.0	R-TAW	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. P	
							FT2SEC	FT2SEC	FT2SEC	FT2SEC	75.0		
2	0000	45000	62.000	.4420-01	.3600-01	10-0664.	.6669-03	.5426-03	.7532-03	. 3410	212.3	542.4	
2	4. 0000	47500	63.000	.3560-01	.2900-01	.4020-01	.5368-03	.4367-03	.6063-03	.2740	3.492	542.4	
2	4.1300	. 50000	64.000	.2560-01	.2090-01	10-0062.	.3867-03	.3148-03	.4367-03	. 1980	5.452	4.146	
3 2	000r ·	52500	65.00	.2110-01	.1720-01	.2389-01	.3180-03	.2588-03	. 3591-03	.1630	2.015	541.7	
2	0000	.55000	66.000	1850-01	1510-01	.2090-01	.2792-03	.2273-63	.3153-03	.1430	1.678	541.3	
2	0000	60000	67.000	10-0201	-0079.	1200-01	. 1609-03	.1310-03	. 1817-03	.8200-01	.9290	0.140	
8	0000	.65000	68.000	.8903-02	.7200-02	10-0001	. 1342-03	.1092-03	.1515-03	10-0069	.8060	541.1	
2	, 0000	20000	69.000	.6400-02	.5200-02	.7230-02	.9578-0 +	.7795-04	.1082-03	10-0064	.5460	541.7	
2	4.0000	75000	70.000	.7000-02	5700-05	.7900-02	. 10/37-03	.8506-04	.1194-03	.5400-01	.6030	3. I.v	
2	, 0000	.80000	75.000	.3900-02	.3200-02	50-00+4.	.5892-04	4795-04	.6653-04	.3000-01	.3630	341.4	
2	0000	.87500	77.000	.3200-02	.2600-02	.3600-02	4198-0 4	.3906-0,	.5418-04	.2500-01	.3220	5,145	
2	0000	00006	78.000	-4400-02	.3600-02	.5000-02	.6614-04	.5383-04	.7468-04	.3400-01	.4390	3. I 40	
2	4.0000	92500	79.000	.3200-02	.2600-02	.3600-02	4756-04	3871-04	.5370-04	10-00%	.3020	7.146	
2	*.0000	95000	80.000	.0000	٠,0000	0000	3375-09	- 2748-09	3809-09	. 0000	0000	540.7	
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				OH-74 (AE	OH-74 (AEDC V418-88A) BG2C12F10M1GH127E52V8R19	N BEZCIZFI	OMIGHIZTES	2v8R19				(RVB003)
ORBITE	ORBITER FUSE, AGE							PARAME	PARAMETRIC DATA			
					BETA	- 2.000	MACK	8.000	ELEVON .	0000	RUDDER .	. 0000
					TES	***TEST CONDITIONS***	Ş.					
į		ě	8	Ę	ā	YAL	-	٩	0	-	9 1	₹
NUMBER OF	E 25	0.00	2 ¥15	DEG. R	056	DEG.	DEG. R	PSIA	PSIA	FT/5£C	SLU65	LB-SEC
83	7.880	¥.	82.90	1170.	-158.2	2.000	67.20	.9000-02	0.4070	3605.	. 9014-05	.7020-07
ž	FBW/L	H	STN NO									
NUMBER	~	81U/ R	å									
S		FT25EC	.0175 .5962-01									
}												
					:	***TEST DATA***	:					
i		3	Q. 1	H/HREE	H/HRE!	H/HREF	H(910)	H(10)	H(TAW)	1000	DTWDT	2
) 	,		R=0.9	h-1.0	R-TAW	BTU/ R	BTU/ R	8TU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FT2SEC	FTZSEC) SEC	i
83	1.0000	.27500	1.00va	.3620-01	10-0562	4090-01	. 5575-03	.4540-03	.6293-03	2,4860		2. C.
83	1 . 0000	.30000	2.0000	3060-01	2490-01	3450-01	50-7074.	50-55B5.	50-016G.	0066	2 457	539.9
83	0000.1	. 32500	3.0000	10-0062	2360-01	. SC80-01	.0-60-4	20-0-0-0- 20-11-07	50-05-05	5	2.583	539.7
83	1.0000	32000	0000.1	.3150-01	10-0962	10-0555	-4848-US	20-1-65	54.36-03	5.5	2.599	5.0.4
8	0000.1	37500	5.0000	10-0515.	10-0555	10-0-08E	. 5212-03	4264-03	5883-03	.2670	2.749	5.0.5
863	0000		2 0000	3830-01	.3120-01	.4330-01	.5896-03	.4800-03	.6657-03	.3020	3.135	540.7
2 2	0000.	00054	0000	4950-01	.4030-01	.5590-0:	.7615-03	.6199-03	.8597-03	. 3900	3.992	6.040 10.040
6	0000	47500	9.0000	.5020-01	.4080-01	.5670-01	.7723-03	,6285-03	.8720-03	. 3950	5 G S	3. C
8	1.0000	.50000	10.000	.5510-01	10-0644	.6230-01	.8486-03	.6908-03	.9581-03	.4350	50 5 C	540.0
83	1.0000	.52500	11.000	.6210-01	.5050-01	.7010-01	.9555-03	7778-03	20-6/11	0505		0.146
83	1.0000	.52000	12.900	. 54 30-t.	10-00-01	10-0007	50-050E.	FU-4498	1200-02	.5430	5.503	541.9
93	0000	.50000	13.000	10-0050		7457-01	1003-02	.8165-03	.1133-02	.5130	5.205	3.13
63	0000	00000	200. 41	10-0554	3680-01	5100-01	.6951-03	.5657-03	.7849-03	.3560	3.479	¥. 1.45
883	0000.	76,000	15.000	3020-01		3410-01	.4655-03	.3789-03	.5254-03	.2390	3.420	5.03
3 6	0000	0000	12.000	2050-01		.2310-01	3149-03	.2563-03	. 3555-03	.1610	1.563	<u>ه</u> : آن
	0000	90000	000.81	3520-01		13960-01	.5422-03	.4416-03	.61.9-03	. 2780	3.271	539.7
2 6	9600	00022	000 61	3380-01		.3810-01	.5200-03	.4234-03	.5869-03	.2670	3.151	539.9
2 6	0000	00155	000	4630-01	•	. 5230-01	.7126-03	.5802-03	.8043-03	.3660	4.318	340.0
2 6	0000	00000	21,000	6450-91		.7280-01	.9925-03	.6078-03	.1121-02	.5080	5.962	<u> </u>
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DATE 07 OCT	2 T30		OH-74 (AEDC V418-BBA)	. V418-B8A)		DATA: ON OR	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	AGE PORT !	3019			PAGE 236
				OH-74 (AE	0H-74 (AEDC V418-88A) BG2C12F10M1GW127E52V9R19	N BEZCIZFI	OMIGWI 27E	2V8R19				(RVB003)
3	TRANE	Х/L	1/C NO	H/HREF	H/HREF	H, HREF	H(970)	HC 10	HI TAN	1000	DTHOT	
MANGER				R=0.9	R-1.0	R=TAW	BTU/ R FT2SEC	BTU/ R FT2SEC	8TU/ R FT2SEC	BTU/ FT2SEC	DEG. R /SEC	DE0. R
2	2.0000	.53000	23.000	.7950-01	.6470-01	10-0860	. 1223-02	.9951-03	.1381-02	.6250	6.965	542.2
2	€.0000	.56700	₩. 000	.6360-01	.5180-01	.7180-01	.9789-03	.7967-03	.1105-02	.5010	5.451	541.3
8	2.5300	.62000	3. 660 600	10-086*	.3320-01	.4600-01	.6273-03	.5107-03	.7062-03	.3210	3.499	5.0.7
8	2.3000	.67000	56 .000	10-0465	.2070-01	.2870-01	. 3907-03	.3181-03	.4410-03	.2000	2.180	3.03.0 1
8	2.0000	. 70500	27.000	10-0661.	. 1620-01	.2250-01	. 3064-03	2495-03	3458-03	.1570	1.695	340.0
2	2.0000	75000	28.000	1440-01	.1130-01	. 1630-01	. 2221-03	.1-39-03	. 2507-03	97.	.256	539.2
20	2.0000	.80000	29.000	.1170-01	20-0096	. 1330-01	. 1807-03	.1472-03	.2040-03	.9300-01	1.025	539.7
83	2.0000	.82400	30.000	.5100-02	¥100-05	.5700-02	. 7820-04	.6365-04	.8829-0 1	10-0004.	. 5590	8. P. F.
93	3.0000	.20000	31.000	.7210-01	.5870-31	.8150-01	. 1110-02	.9029-03	20-40-	0000	6.003	545.0
63	3.0000	. 22500	X2.000	10-0265.	.4820-01	10-0690-	.9112-03 6700-03	50-C1+/.	20-8201.	ממיני	5. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6	n: 276
6	3.0000	00000	33.000	10-0202	20th-01	10-0664	5744-03	4677-03	F0-049	050	3.539	539.7
6 6	9000		60 K	3350-01	2730-01	.3780-01	5154-03	4198-03	.5816-03	.2650	3.287	539.1
3 2	3.0000	32500	36.000	.3520-01	2870-01	3980-01	5420-03	.4415-03	.6117-03	.2780	3.273	539.2
2 2	3.0000	.35000	37.000	10-0804	.3320-01	.4610-01	.6280-03	.5114-03	.7088-03	. 3220	3.748	539.7
83	3.0000	37500	38.000	10-0619	.50*0-01	10-0669.	.9532-03	.7762-03	.1076-02	,¥890	5.745	5.0.2
83	3.0000	00004	39.000	.6820-01	.5550-01	.7700-01	. 1050-02	.8546-03	.1185-02	.5380	6.356	5.03
83	3.0000	.42500	40.000	10-0468	.7280-01	.1009	.1376-92	.1120-02	. 1553-02	.7050	8.365	5.0
83	3.0000	. 45000	41.000	10-0068	.7250-01	.1005	.1370-02	.1115-02	.1547-02	.7020	8.032	S±0.8
83	3.0000	.47500	¥2.000	15 Cr.ST.	.6460-01	.8970-01	. 1222-02	.9948-03	. 1380-02	.6260	6.978	
83	3.0000	.50000	43.00	.6730-01	.5480-01	.7590-01	. 1035-02	.8425-03	. 1169-02	.5300	5.911	
83	3.0000	52500	44.030	.5050-01	.4110-01	.5700-01	.7768-03	.6326-03	.8757-03	.3990	£.69÷	539.9
83	3.0000	. 55000	45.000	10-068£	.3170-01	.4390-01	.5990-03	.4877-03	.6761-03	3070	3.430	540.0
83	3.0000	.60000	₩6.000	.2390-01	1950-01	.2700-01	.3677-03	. 2995-03	-6414	0681.	2.038 	539.6
83	3.0000	.65000	47.000	. 1670-01	. 1360-01	10-0681	.2577-03	.2099-03	2908-03	. 1 520	B0#.	228.5
2	3.0000	00000.	48.000	12-0-01	. 1010-01	10-00-1	. 1905-03	50-5561.	- 1015.	10-0005	1 . Ud4	730.4
6 6	3.0000	00000	20.000 20.000	20-00-7	20-0009.	0-0111	50-0101	9601-04	1330-03	6100-01	.6500	539.3
2 6	3.0000 4.0000	92009	51.000	6900-02	5600-02	7800-02	. 1062-03	*0-6 * 98	. 1200-03	5400-01	.6740	0.14
8 8	3.0000	.87509	52.000	.1120-01	-9100-05	10-02-01	.1725-03	.1404-03	.1948-03	10-C088.	.095	540.9
83	3.0000	.90000	53.000	.1230-01	1000-01	1390-01	. 1894-03	. 1542-03	.21.39-03	.9700-01	1.352	5.1%
83	3.0000	.92500	000 · š	. 1350-01	1100-01	. 1530-01	.2082-03	. 1694-03	.2350-33	.1070	1.398	7
83	3.0000	.95000	55.000	1370-01	10-0111.	. 1540-01	.2103-03	.1712-03	.2374-03	. 1050	1.092	9,0.0
8	4.0000	. 20000	71.000	.7750-01	·6300-0i	.8763-01	.1192-02	.9688-03	. 1348-02	.6050	6.903	3€5.8
83	. 0000	.22500	72.000	.6070-01	.4 93 0-01	.6850-01	.9334-03	.7592-03	. 1054-02	.4760	5.586	542.9
83	4.0000	25000	73.000	10-0145.	.36to-01	.5010-01	.6827-03	.5556-03	.7709-03	.3490	660.4	541.6
83	€.0000	.27500	₹.000	.3980-01	.3240-01	.4500-01	.6130-03	.4990-03	. 6921 -03	3140	3.890	
83	4.0000	.30000	56.000	.4050-01	.3300-01	.4580-01	.6240-73	.5081-03	.70'13-03	. 3200	4.205	539.8
83	₹.0000	. 32500	57.000	.6300-01	.5130-01	.7120-01	.9702-03	.7897-03	. 1095-02	.4970	6.520	940.9
83	6 .0000	.35000	28.000	.9220-01	7500-01	3	20-6141	.1155-02	. 1602-02	.7260	9.527	5. <u>1.</u> 2.
83	1,0000	37500	29.000	.9160-01	7450-01	.1033	50-60al.	20-7411.	20-0861	. /650	9.40	3.0.0
83	4.0000	00004	60.000	10-08-9	25.00 25.00	.7310-01	.9973-03	.8120-03	70-0511	3550	c / 13	5.040. 5.05.8
83	4.0000	2000	61.000	10-0644	. 3050-01	in-nonc.	. psqp-us	CO-COOK.	32. Fh / /	2000	3	7.00

かいてき、これでは、下午のこれには、一日のこれには、これには、これには、日本のでは、日本の

DATE 07 OCT	7 OCT 73		OH-74 (AED)	OH-74 (AEDC V41B-BBA)	HEATING	DATA ON OR	HEATING DATA ON ORBITER FUSELAGE PORT		SIDE			PAGE 237
				OH-74 (AE))C W18-88	DM-74 (AEDC Y418-88A) 862C12F10M16W127E52V8R19	10MIGWIZ7E!	52VBR19				(RVB003)
3	TRATE	χV	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HITAN		DTMDT	3
				R-0.9	R-1.0	R-TAH	BTU/ R	BTU/ R	9TU/ R	910/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FTZSEC		73E/	
83	\$.0000	.¥5000	62.000	10-0862.	10-02×2.	.3360-01	.4578-03	.3729-03	.5167-03		3.053	539.4
83	4.0000	.47500	63.000	.2380-01	1940-01	10-0692	.3668-03	.2988-03	.4139-03		2.405	539.2
63	₩. f.300	.50000	6 F. 000	10-0261	.1570-01	.2170-01	.2966-03	.2415-03	.3347-03		1.890	539.3
93	4.3000	.52500	65.200	10-0651.	10-0621	10-0641.	.2440-03	.1987-03	.2753-03		1.554	539.4
83	4.0000	.35000	66 .000	1160-01	.9400-02	. 1300-01	. 1778-03	.1448-03	.2005-03		1.073	539.4
83	4.0000	.80000	67.000	-9900-05	.8100-02	.1120-01	. 1524-03	. 1241-03	.1720-03		.8830	539.3
83	€.0000	.65000	66.000	-8100-05	.6600-02	20-0016	. 1239-03	.1009-03	.1398-03		.7480	523.3
83	۴.0000	. 70000	69.000	.5100-02	50-0024	.5800-02	.7898-0¥	.6431-04	.891E-04		.4520	5.0.5
83	4.0000	.75000	70.000	.6.30-02	20-0064	.6800-02	.9304-04	.7578-04	. 1050-03		.5340	539.2
83	₹.0000	.80000	75.000	.4200-02	.3500-02	-4800-0 2	.6527-04	.5315-04	.7366-04		0+0+.	539.8
83	۴.0000	.85000	76.000	.1530-02	.1200-02	. 1700-02	.2327-04	.1896-04	.2625-04		. 1420	538.2
83	۴.0000	.87500	77.000	50-007h.	.3900-02	.5400-02	. 7299-04	.5945-04	.8237-04		.4930	539.3
83	4.0000	00006.	78.000	.5300-02	50-00E+.	.6000-02	.8183-04	.6664-04	.9235-04		.5450	539.6
83	4.0000	.92500	79.000	.6100-02	.5000-02	-6900-02	.9369-04	.7647-04	. 1060-03		.5980	539.3
7	0000	98000	000	5700-03	4600-02	G4-00-02	8779-D4	7116-04	11ago		6.270	240.0

3	DATE 07 OCT 75	OCT 75		OH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	V418-88A)	HEATING C	DATA ON OR	31 TER FUSEL	AGE PORT S	301			PAGE 238
					0H-74 (AE	04-74 (AEDC V418-88A) BG2C12F10H1GA127E52VBR19	V) BESCIEF	OMIGWIZTES	2V8R19				(RVB003)
8	KØ I TER	ORBITER FUSEL AGE							PARAME	PARAMETRIC DATA			
						BETA	- 2.000	MACH	• 8.000	ELEVON .	.0000	RUDDER -	.0000
						•••TES1	**************************************						
~ 1	RUN NUMBER	MACH	ALPHA 060.	8 <u>ž</u>	70 0£0. R	94 066	7AE 0.00	↑ DE0. R	r <u>E</u>	o ₹	V FT/SEC	84.00\$	F0 18-950
	š	7.880	29.00	9.1	1169.	-80.00	€.000	67.10	3 0-0006.	0804.	7604 .	50-3066	.7014-07
-	ž	BN/L	Ŧ	STN NO				_					
2	NUMBER	X10 6	610/ 3 F125EC	. 0. 87.10				-					
	£	Wer.	.1528-01	10-5885			-						
						•	***TEST DATA***	:					
•	Z	TRACE	X/L	1/0 80	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HCTAN	1000	DTMDT	7
7	NUMBER) :	•	R-0.9	R-1.0	R.TAH	81U/ R	BTU. R	81U/ R	910/	DEG. A	DEG. R
								FTZSEC	FT25EC	FT2SEC	FT2SEC	. 335/	:
	£	1.0000	.27500	1.0000	1520-01	1240-01	1720-01	.2322-03	. 1889-03	.2623-03	8 :	1.227	i de la companion de la compan
	ā ā	0000	.30000	2.0000 F	10-0-01	10-020	16-0-01	1973-03	1606-03	.2229-03	.1010	1.036	9. i.s
	5	0000.	.35000	4.0000	1370-01	1110-0111.	1940-01	.2087-03	.1698-03	.2357-03	.1070	1.105	41.7
	.	1.0000	.37506	5.0000	.1120-91	.9100-02	1560-01	.1708-03	. 1389-03	. 1930-03	10-0078	.9150	0.45.6
	ā i	0000.1	00004.	6.2000	1710-01	1390-01	1930-01	2616-03	2128-03	2319-03	1330	1.550	i i
	5 &	0000	6000	8,0000	0-055	.2080-01	2890-01	3905-03	.3176-03	.4412-03	1990	2.032	543.2
	ā	1.0000	.47500	9.0000	.2450-01	1990-01	10-0775.	.3749-03	3048-03	.4236-03	0161	1.939	943.7
	å	1.0000	.5000.	10.000	. 3420-01	.2780-01	3860-01	5224-03	.4247-03	.5903-03	.2660	7.690 	04 d. 7
	.	1.0000	. 52500	000.11	3680-01	10-066-	.4160-01	188K-03	2160-03	50-1659. 4391-03	1980	1.983	11.0 11.0
	S å	0000.	00005	14.000	10-00-1	1210-01	1690-01	. 2282-03	1855-03	.2578-03	1160	1.176	4.3.4
	i d	0000	65000	14.000	1120-01	-9100-05	1270-01	.1713-03	.1393-03	. 1935-03	.8700-01	.6830	543.5
	5 5	1.0000	.70000	15.000	.9000-02	.7300-02	. 1020-01	.1379-03	.1121-03	. 1557-03	.7000-01	.6860	543.1
	.	0000.1	.75000	16.000	5400-05	20-0044.	.6100-02	.8239-04	.6700-04	.9307-04	.4200-01	.4250	542.9
	8	0000.1	.80000	17.000	-50-0-05-	.4100-0S	. 5600-02	.7643-04	.6216-04	.8634-04	.3900-01	.3770	0.045 0.045
	£	€.0000	.28:300	18.000	10-0551.	. 1260-01	1750-01	.2367-03	. 1926-03	.2674-03	1210	517	542.7
•	£	€.0000	33700	19.000	10-6791.	.1360-01	10-0691	.2557-03	.2079-03	.2888-03	.1320	1.537	r.
	£	2.0000	39000	20.000	.2750 -01	. 2230-01	3100-01	.4197-03	3413-03	.4742-03	0415.	2.518 1.331	343.4
-	£	2.0000	.42600	21.000	. 3650-01	.2970-01 10-010-01	19-06-7	.5586-03	. 4540-03	.6313-03	. ce su	5. 56. 5. 56. 5. 56.	0.7
	£	2.0000	.47800	22.000	.3510-01	. 2850-01	. 3960-01	.u-/csc.	. 4335-U3	1000	,	1,50	*

				OH-74 (AE	OC V418-88.	A) 862C12F	OH-74 (AEDC V418-88A) BG2CI2F10M16W127E52VBR19	SEVBR19				(RVB003)
			!						:	*	5	Ž
NEW STATE	TRALE	×۲	2 2/1	R-0.9	7, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	R-TAH	BTC/ R	ett.	917. R	518	DE0. R	DEG. R
) ;) :		FT2SEC	FTZSEC	FT2SEC	FT2SEC)35 <i>/</i>	
ě	2.0000	.53000	23.000	1930-01	.1570-01	.2180-01	.2947-03	.2396-03	.3330-03	.1500	1.669	9.5
.	2.0000	.56700	₽.000	10-0141.	.1150-01	10-0091	.2160-03	.1756-03	.2440-03	.1100	 	943.1
6	2.5.000	.62000	25.000	.1196-01	.9700-02	.1340-01	. 1918-03	.1479-03	.2054-03	.9300-01	1.007	₩.
ā	2,3000	.67000	36.000	.8100-02	.6600-02	.9200-02	. 1242-03	.1010-03	.1402-03	.6300-01	.6900	7.
å	2.0000	.70500	27.000	.7200-02	.5800-02	.8100-02	.1097-03	.8926-04	. 1239-03	.5600-01	.6040	₹.
đ	2.0000	75000	28,000	-0000-05	-4900-0 5	.6800-02	.9200-04	.7×86-04	. 1039-03	10-004	.5160	<u>.</u>
ě	2.0000	.80000	29.000	.4600-02	.3800-02	5200-05	.7046-04	.5733-04	.7956-04	.3600-01	.3970	<u>\$</u>
ŧ	2.0000	82400	30,000	.6000-03	5000-03	.7000-03	.9041-05	.7357-05	.1021-04	.5000-02	.6400-01	±. ₩
ž	3.0000	20000	\$1.000	.3290-01	.2670-01	.3720-01	.5033-03	.4087-03	.5691-03	.2540	2.693	546.7
đ	3.0000	22500	32,000	10-0613	.2270-01	.3160-01	.4271-03	3471-03	.4828-03	.2160	2.455	545.0
; 2	3.0000	25000	33,000	.2270-01	10-0481	.2530-01	.3466-03	.2918-03	.3917-03	. 1760	1.971	
á	2000	27500	34.000	1780-01	10-0541	.2010-01	.2722-03	.2214-03	3075-03	. 1390	1.661	£3
d	3 0000	10000	35,000	1700-01	1380-01	1920-01	. 2592-03	.2108-03	. 2928-03	.1320	1.536	5. O. S.
ā	4 0000	22500	36.000	1890-01	1540-01	.2140-01	.2892-03	. 2352-03	. 3267-03	.1470	1.729	542.6
ě	3,000	45000	37.000	2530-01	.2060-01	.2860-01	.3864-03	.3142-03	.4364-03	. 1970	2.284	542.8
5 đ	000.	27500	38 000	3670-01	10-066-	4150-01	.5613-03	.4563-03	.6342-03	. 2850	3.345	543.9
5 đ	3.0000	00075	39.00	10-01 IE	2530-01	.3520-01	4761-03	.3871-03	.5378-03	2420	2.858	\$ W. W
6 đ	2000	00001	000	20-01	2400-01	.3330-01	.4510-03	.3867-03	.5096-03	. 2290	2.717	543.8
5 đ		0004	000	2460-01	2000-01	2780-01	3765-03	3062-03	. 4254-03	. 1920	2.190	543.8
đ	0000	7500	42.000	16-0561	1580-01	.2200-01	.2976-03	.2420-03	.3363-03	.1510	1.687	543.5
ž	3.0000	20000	43.000	.1430-01	.1160-01	.1620-01	.2186-03	.1778-03	.2470-03	0111	1.70	¥3.2
£	3.0000	52500	44, 000	11140-01	.9200-02	. 1280-01	.1738-03	. 1413-03	. 1963-03	.8900-01	1.039	542.6
£	3.0000	. 55000	45.000	10-0101.	.8200-02	11140-01	. 1541-03	. 1254-03	. 1741-03	. 7900-01	.8750	542.5
6	3.0000	.60000	46.000	.7800-02	.6400-02	.8800-02	.1194-03	*0-11L6°	. 1348-03	.6100-01	. 520	542.0
ŧ	3.0000	.65000	47.000	5400-05	-4400-0S	-0019	.828° -04	.6740-04	.9355-04	10-0024.	0644	547.6
Æ	3.0000	. 70000	48.000	.3900-02	.3100-02	20-0044	.5913-04	40-5184 .	.6677-04	.3000-01	.33+0	544.5
ě	3.0000	.75000	49.000	S0-000+.	.3200-02	S00-054.	.6065-04	+0-7564.	.6848-04	.3100-01	.3380	9.04G
đ	1 0000	80000	50.000	.2300-02	. 1800-02	.2600-02	.3471-04	.2825-04	.3919-0 +	. 1800-01	. 1900	540.7
đ	20000	87500	52.000	.1700-02	. 1400-02	. 1900-02	.2554-04	+0-980≥.	-9682 .	. 1300-01	. 1620	54.0
ě	3.0000	C3006.	53.000	-2100-02	. 1700-02	50-00-2	.3223-04	.2622-04	.3641-04	10-0091	. 2290	547.6
ă	0000	60500	24.000	2400-02	2000-05	.2800-02	3734-04	.3037-04	451B-04	10-006	.2490	¥.0
5 8	0000	00000	. 55.000	1100-02	.9000-03	. 1300-02	.1723-04	.1402-04	1945-04	.9000-02	10-0068	541.7
á	0000	00000	71.000	3910-01	.3170-01	10-0244	.5971-03	. 4845-03	.6756-03	.3000	4.424	548.9
5 a	9000	00566	72,000	3010-01	2450-61	3410-01	.4607-03	.3742-03	. 5209-03	.2330	2.728	\$6.5
i a	0000	25000	73.000	2440-01	1990-01	.2760-01	.3734-03	.3035-03	.4220-03	. 1890	2.251	54.7
i d	10000	27500	2,000	.2310-01	1880-01	.2610-01	.3529-03	. 2869-03	. 3987-03	.1790	2.219	9. 1.0
á	0000	30000	56,000	.2130-01	1730-01	.2400-01	.3249-03	.2642-03	.3670-03	. 1650	2.168	543.
ā	0000	32500	57,000	3340-01	.2710-01	.3770-01	. 5098-03	.4144-03	.5751-03	.2590	3.393	54.6
i d	1000	25000	58.000	.3310-01	2690-01	3750-01	.5066-03	.4118-03	.5725-03	5570	3.371	r.
i i	0000	005/2	59 000	200-01	1830-01	.2550-01	3444-03	.2801-03	.3891-03	.1750	2.298	¥3.2
i d	2000	00004	20.00	10-0651	1300-01	1800-01	.2436-03	1981-03	.2752-03	. 1240	1.626	543.1
6					,				,			
; ;		000		10.01	60-000	1250-01	10-6701	1498-03	2080-03	10-0046	1.230	742.7

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	OH-74 (AED)	88A	BECLEFIONIGNIZTESZVBRIS	Jan Children	Saven o				12000101
'									COOCAL
		H/HREF	H/HREF	H(910)	HC 10)	HCTAN		DTMOT	2
	R=0.9	K*1.0	R-TAM	BTU/ R	BTU/ R	BTU/ R		DEG. R	DEG. R
				FT2SEC	FT2SEC	FT2SEC		/SEC	
	.7400-02		8300-02	1129-03	₹0-18·6·	. 1275-03		.7330	542.6
	.5900-02		5000-05	.8983-04	.7308-04	. 1015-03		.5680	542.0
	.4200-02		4800-05	.6471-04	.5265-04	.7309-P.		0604.	9. I.S
	50-00th.		5300-05	.7199-04	.5858-04	.8129-04		.4320	¥1.3
	.3100-02		3500-02	40-7074.	.3631-04	.5315-04		.e710	5.0.7
	.2600-02		20-0052	.3935-04	.3202-04	*0-£***		. 2360	940.9
	.1300-02		1500-02	.2059-04	. 1675-04	.2325-04		07.1.	¥1.7
	.2000-02		2300-05	.3077-04	2505-04	3474-04		. 1760	540.3
	.1100-02		1300-02	.1712-04	1393-04	. 1933-04		. 1060	540.8
	.5000-02		5600-02	.7609-04	.6196-04	.8589-0 4		.4630	539.7
	.5000-03		6000-03	.8153-05	.6637-05	. 9204-05		.5500-01	540.3
	.1000-03		2000-03	.2247-05	. 1829-05	.2537-05		. 1500-01	540.5
	.6100-02		5000-05	.9389-04	.7647-04	. 1060-03	10-0084	.5980	539.3
	.5700-02	. 4600-02	.6400-02	.8739-0 4	.7116-04	·0~ \986 ·	10-0054.	.5270	540.0
88888888888888888888888888888888888888	.50000 63.000 .52500 65.000 .52500 66.000 .50000 67.000 .75000 69.000 .75000 72.000 .87500 72.000 .87500 72.000 .87500 72.000	63.000 65.000 66.000 66.000 66.000 66.000 66.000 66.000 66.000 66.000 66.000 66.000 66.000 66.000 66.000 66.000	63.000 .7w00-02 .6000-02 69.000 .4200-02 .w800-02 65.000 .4700-02 .3w00-02 65.000 .4700-02 .3w00-02 65.000 .4700-02 .3w00-02 69.000 .3100-02 .2000-02 70.000 .2000-02 .1100-02 75.000 .1100-02 .1000-03 75.000 .5000-03 .w100-03 75.000 .5000-03 .w100-03 79.000 .5000-03 .1000-03 79.000 .5100-02 .1000-03	63.000 .7400-02 .6000-02 .65.000 .74.00-02 .4800-02 .65.000 .4200-02 .3400-02 .65.000 .4700-02 .3400-02 .65.000 .4700-02 .3400-02 .77000 .3100-02 .2100-02 .75.000 .1100-02 .1100-02 .75.000 .5000-03 .4100-03 .75.000 .5000-03 .4100-03 .75.000 .5000-03 .4100-03 .75.000 .5000-03 .4100-03 .75.000 .5000-03 .4100-03 .75.000 .5000-03 .75.000 .5000-03 .75.000 .5000-03 .75.000 .5000-03 .75.000 .5000-03 .75.000 .5000-03 .75.000 .5000-03 .75.000 .5000-03 .75.000 .5000-03 .75.000 .5000-03 .75.000 .5000-03 .75.000 .5000-03 .75.000 .5000-03 .75.000 .5000-03 .75.000 .5000-02 .	63.000 .7400-02 .6000-02 .8300-02 .65.000 .5900-02 .4800-02 .6600-02 .4600-02 .65.000 .4200-02 .3400-02 .4600-02 .5300-02 .55.000 .4700-02 .3800-02 .3500-02 .5500-02 .5500-02 .7500-03 .1300-02 .1500-03 .1300-02 .75.000 .5000-03 .1000-03 .5000-03 .75.000 .5000-03 .4000-03 .5000-03 .75.000 .5000-03 .4000-03 .5000-03 .75.000 .5000-03 .4000-03 .5000-03 .75.000 .5000-03 .4000-03 .5000-03 .75.000 .5000-03 .4000-03 .5000-03 .75.000 .5000-03 .4000-03 .6000-03 .75.000 .5000-03 .4000-03 .6000-03 .75.000 .5000-03 .4000-03 .6000-03 .75.000 .5000-03 .5000	63.000 .7400-02 .6000-02 .8300-02 .1129-03 .65.000 .5900-02 .4800-02 .6600-02 .8983-04 .7000-02 .9000-02 .9000-02 .8983-04 .7000-02 .3000-02 .9000-02 .9983-04 .7000 .4200-02 .3800-02 .3500-02 .7159-04 .7000 .2600-02 .3800-02 .3500-02 .71590-04 .7000 .2600-02 .1100-02 .2500-02 .3500-02 .3935-04 .75.000 .1100-02 .1600-02 .2500-02 .7500-02 .75.000 .5000-02 .9000-03 .9000-03 .8153-05 .77.000 .5000-03 .9000-03 .6000-03 .8739-04 .75.000 .5000-03 .9000-03 .6000-03 .8939-04 .77.000 .5000-03 .9000-03 .6000-03 .8153-05 .77.000 .5000-03 .9000-03 .8000-03 .8739-04 .79.000 .5000-03 .9000-03 .8000-03 .8739-04 .79.000 .5000-02 .5000-02 .8389-04 .79.000 .5000-03 .9000-03 .8739-04 .79.000 .5000-02 .8000-02 .8739-04 .79.000 .5000-02 .8000-02 .8739-04 .79.000 .5000-02 .8739-04 .79.000 .5000-02 .8739-04 .79.000 .5000-02 .8739-04 .79.000 .5000-02 .8739-04 .79.000 .5000-02 .8739-04 .79.000 .5000-02 .8739-04 .7000-02 .8739-04	63.000 .7v00-02 .6000-02 .8300-02 .1129-03 .9194-04 69.000 .5900-02 .v800-02 .6600-02 .8933-04 .7309-04 .65.000 .4200-02 .3v00-02 .v800-02 .8v71-04 .5265-04 .65.000 .v700-02 .3v00-02 .5000-02 .7199-04 .5265-04 .65.000 .v700-02 .3000-02 .3500-02 .7199-04 .3831-04 .690.000 .2v00-02 .2v00-02 .3v00-02 .3v00-02 .3v00-02 .3v00-02 .3v00-02 .3v00-02 .2v00-02 .2v00-02 .2v00-02 .3v07-04 .2505-04 .7c000 .1100-02 .2v00-02 .3v07-04 .2s05-04 .7c000 .1100-02 .9v00-03 .1300-02 .7v09-04 .6199-04 .7v000 .5v00-03 .v100-02 .5c00-02 .7v09-04 .6199-04 .7v000 .5v00-03 .v100-03 .5v00-03 .8v00-03 .8v00-03 .8v7-05 .6s37-05 .7v000 .5v00-03 .v100-02 .5v00-03 .8v00-03 .8v7-04 .7v000 .5v00-03 .v100-02 .5v00-03 .8v00-03 .8v00-03 .8v00-03 .8v7-04 .7v000 .5v00-03 .v100-03 .8v00-03 .8v7-05 .8v7-04 .0v00-03 .v100-02 .5v00-03 .8v00-03 .8v00-03 .8v7-04 .7v00 .7v00-03 .1v00-03 .8v00-03 .8v7-04 .7v00 .7v00-04 .7v00-05 .5v00-05 .8v139-04 .7v00-04 .1v16-04 .7v00-05 .8v139-04 .7v16-04 .1v16-04 .7v00-05 .8v139-04 .7v16-04 .1v16-04 .7v00-05 .8v139-04 .7v16-04 .1v16-04 .7v00-05 .2v100-05 .8v139-04 .7v16-04 .1v16-04 .1v1	63.000 .7v00-02 .6000-02 .8300-02 .1129-03 .9194-04 .1279-03 .5600-01 69.000 .7v00-02 .v800-02 .8600-02 .8471-04 .5265-04 .1015-03 .4600-01 65.000 .4200-02 .3v00-02 .9600-02 .7399-04 .7399-04 .7399-04 .3700-01 65.000 .v700-02 .3v00-02 .7300-02 .7199-04 .5359-04 .8129-04 .3700-01 65.000 .v700-02 .3v00-02 .7500-02 .7199-04 .7399-04 .7399-04 .3700-01 69.000 .3100-02 .2500-02 .7500-02 .7500-02 .7500-03 .7500-02 .7500-03 .7500-02 .7500-04 .7500-04 .7500-07 .7500-05 .7500-03 .7500-02 .7500-04 .1500-02 .7500-04 .7500-	63.000 .7400-02 .6000-02 .8300-02 .1129-03 .9184-04 .1275-03 .5800-01 . 65.000 .4200-02 .4800-02 .6600-02 .6871-04 .5265-04 .7308-04 .1015-03 .4600-01 . 65.000 .4200-02 .3400-02 .4800-02 .6771-04 .5265-04 .7309-04 .3700-01 . 65.000 .4700-02 .3600-02 .3500-02 .4707-04 .3831-04 .5315-04 .2400-01 . 65.000 .3100-02 .2300-02 .3500-02 .4707-04 .3631-04 .5315-04 .2400-01 . 69.000 .1300-02 .1100-02 .2300-02 .3777-04 .2355-04 .1100-01 . 75.000 .2000-02 .1100-02 .3500-02 .7509-04 .1333-04 .9000-02 .75000 .5000-03 .1300-03 .1300-03 .1300-03 .1300-03 .1300-03 .1300-03 .1300-03 .75000 .5000-03 .4000-03 .75000 .2500-03 .4000-03 .75000 .2500-03 .4000-03 .75000 .2500-03 .4000-03 .75000 .2500-03 .4000-03 .75000 .25000-03 .4000-03 .75000 .25000-03 .4000-03 .75000 .25000-03 .4000-03 .75000 .25000-03 .4000-03 .75000 .25000-03 .4000-03 .75000 .25000-03 .4000-03 .75000 .25000-03 .4000-03 .75000 .25000-03 .4000-03 .75000 .25000-03 .4000-03 .75000 .25000-03 .4000-03 .75000 .25000-03 .4000-03 .75000 .25000-03 .4000-03 .75000 .2537-05 .1000-03 .75000 .2537-05 .1000-03 .75000 .2537-05 .1000-03 .4000-03 .75000 .2537-05 .1000-03 .4000-03 .75000 .2537-05 .1000-03 .4000-03 .75000 .2537-05 .1000-03 .4000-03 .75000 .2537-05 .1000-03 .4000-03 .75000 .2537-05 .1000-03 .4000-03 .75000 .2537-05 .1000-03 .4000-03 .75000 .2537-05 .1000-03 .4000-03 .75000 .2537-05 .1000-03 .4000-03 .75000 .2537-05 .1000-03 .4000-03 .75000 .2537-05 .1000-03 .4000-03 .75000 .2537-05 .1000-03 .4000-03 .4000-03 .75000 .2537-05 .1000-03 .4000-03 .4000-03 .4000-03 .4000-03 .4000-03 .75000 .2537-04 .4500-01 .25000-03 .4000-03 .75000 .75000 .2537-04 .4500-01 .25000-03 .4000-03 .75000 .2537-05 .1000-03 .4000-03 .75000 .2537-05 .1000-03 .45000-01 .25000-03 .4000-03 .4000-03 .75000 .2537-04 .4000-03 .45000-01 .25000-03 .4000-03 .4000-03 .4000-03 .75000 .2537-04 .4000-03 .45000-01 .25000-03 .4000-03 .4000-03 .75000 .2537-04 .45000-01 .25000-03 .40000-03 .200000000000000000000000000000000000

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DATE 07	DATE 07 OCT 75		OH-74 (AEDC	OH-74 (AEDC V418-88A)	HEATING 0	ATA ON ORE	ITER FUSEL	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	30			PAGE 241
				OH-TH (AEC	0H-74 (AEDC V418-88A) 862C12F10H16H1Z7E52V8R19	1) B62C12F1	975 WO (MO	ZVBR19				(RVB003)
ORBI TER	ORBITER FUSE, AGE							PARAME	PARAMETRIC DATÀ			
					BETA	- 2.000	MACH	9.000	ELEVON .	0000	RUDDER .	. 6000
					•••1651	***TEST CONDITIONS***	5					
RUN	MACH	ALPHA DEG.	PS1A	10 DEG. R	PH1 0E6.	YAH DEG.	1 DEG. R	P PSIA	o <u>₹</u>	v FT/5EC	RHO SLUGS	HU 18-5EC
88	7.880	34.85	90.90	169.	158.2	2.000	87 .00	.9000-02	.3970	3602.	.8812-05	.7008-07
P.S.	RN/L	HEREF	STN NO									
NUMBER	X10 6	BTU/ R FT2SEC	.0. 27.10.									
88	.4530	. 1520-01	.6029-01									
					•	***TEST DATA***	:					
i	10.61	5	(A)	3.30H/H	H/HRE'F	H/HREF	H(910)	H(10)	H(TAH)	TOOD	DTMDT	2
	KACE	۸٬۲	2	8-0.0	0.1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	0£6. R
MOTOR					1		FT2SEC	FT2SEC	FTZSEC	FTZSEC	/SEC	,
8	1.0000	.27500	0000.1	.1680-01	1360-01	10-0681.	.2547-03	.2072-03	.2876-03	. 1300	3.46	0 F
88	1.0000	.30000	2.0000	1370-01	10-0111.	10-0-61	.2078-03	. 1691-03	1989-03	0001.	95.0	2.5
8 8	0000	32500	3.0000	10-00-01	1140-01	1580-01	.2123-03	. 1728-03	.2397-03	1080	 25	540.5
8 8	0000.1	.37500	5.0000	1600-01	1300-01	1810-01	. 2432-03	. 1979-03	.2746-03	1240	1.306	941.0
8	1.0000	00004	6.0000	.2460-01	.2000-01	25,00-01	3740-03	3044-03	4017-03	0161	1.883	541.1
8 8	1.0000	. 42500	7.0000	2530-01	2060-01	2850-01	.3838-03	.3123-03	.4335-03	1960	₹.00%	541.0
8 &	0000.1	47500	0000.6	.3190-01	.2600-01	.3610-01	.4855-03	.3950-03	.5483-03	.2480	2.525	941.3
8	1.0000	.50000	10.000	.2400-01	.1950-01	.2710-01	.3647-03	. 2968-03	.4119-03	.1860	1.888 755	0.40.9 1.40.9
88	1.0000	.52500	11.000	.2230-01	1880-01	2200-01	2108-03	2602-03	3611-03	.1630	1.6.1	540.7
8	1.0000	.55000	12.000	10-0015.	10-01/1.	10-0491	50-804c	1797-03	2493-03	.1130	1.144	540.5
8 8	1.0000	. 50000	13.000	10-051	10-0601	1510-01	.2038-03	.1659-03	.2302-03	.1040	1.055	0.13
8 8	0000.	00000	200.51	20-0066	8100-02	1120-01	1508-03	.1227-03	.1702-03	.7700-61	.7530	540.8
8 %	000.	75000	16.000	8700-02	.7100-02	.9800-02	.1317-03	.1072-03	.1487-03	.6700-01	.6820	8.03
8 8	0000	. 80000	17.000	.5600-02	.4500-02	6300-02	.8452-04	.6878-0 4	40-44 5 6.	.4300-01	0617.	940.6
8 8	0000	28500	18.000	11790-01	10-09+1	. 2020-01	.2718-03	. 2211-03	. 3070-03	. 1390	1.626	9 1
8 8	2.0000	.33700	19.000	. 1840-01	1500-01	.2080-01	.2793-03	.2273-03	.3154-03	. 1430	1.683	5
8	2.0000	39000	20.000	.3360-01	.2730-01	3790-01	.5099-03	.4149-03	.5758-03	.2600	3.071	0.1.0 2.0.4
88	2.0000	.42600	21.000	.2940-01	.2390-01	.3320-01	.4467-03	.3535-03	.0-040c.	1520	9.00	3.036 3.036
8	2.0000	.47800	22.000	.2090-01	. 1 700-01	.2360-01	50-6/15.	74-0000	2	})) •	

DATE 07	DATE 07 OCT 75		OH-74 (AED)	OH-74 (AEDC V418-88A)		DATA ON OR	HEATING DATA ON ORBITER FUSELAGE PORT STOE	AGE PORT S	301			PAGE 242	æ
				OH-74 (AE)	C W18-88	A) BG2C12F	04-74 (AEDC V418-88A) BG2C12F10H1GW127E52VBR19	52VBR19				(RVB003)	_
ã	TDALE	77	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HCTAN	D00	DTHOT	3	
NUMBER		J È))	P.0.9	R=1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R	
							FIZSEC	FTZSEC	FT2SEC	FT2SEC) 3 5/		
98	2.0000	.53000	23.000	10-0851	. 1290-01	10-0661.	.2406-03	. 1958-03	.2716-03	. 1230	1.371	Sto.5	
8	2.0000	.56700	يد. 2000 م	1300-01	1060-01	1470-01	. 1976-03	1609-03	. 2231-03	.1010	1.101	539.8	
98	2.5.000	.62000	25.000	.9700-02	-006 7.	10-0601.	. 1473-03	.1199-03	. 1663-03	.7500-01	.8200	9.03g	
88	2.3000	.67000	26.000	.7400-02	.6100-0 2	. B+00-02	.1132-03	.9213-04	. 1278-03	.5800-01	.6300	5.036	
88	2.0000	.70500	27.000	.6500-02	.5300-02	.7400-02	·0-9686·	.8056-04	.1117-03	.5100-01	.5460	539.8	
88	2.0000	.75000	28.000	5700-05	.4600-02	.6400-0S	.8606-04	.7007-0¥	.9715-04	10-0044.	0+84.	539.5	
8	2.0000	.80000	29.000	. 3200-02	. 2600-02	.3700-02	4915-04	40-1004	.5549-04	.2500-01	. 2780	539.8	
8	2.0000	.82400	30.000	.8000-03	. 7000-03	. 1000-02	. 1282-04	1044-01	1448-04	.7000-02	.9100-01	539.9	
8	3.0000	.2000	31.000	.3510-01	. 2850-01	.3970-01	.5331-03	.4330-03	.6027-03	.2690	2.855	945 9	
88	3.0000	.22500	32.000	10-0462.	.2390-01	.3320-01	.4468-03	. 3631 -03	.5050-03	. 2260	2.534		
98	3.0000	.25000	33.000	.2300-01	10-0281	.2600-01	. 3502-03	.2847-03	. 3956-03	. 1780	1.993	543.0	
98	3.0000	.27500	34.000	10-0961	1290-01	.2210-01	.2974-03	£0-614Z.	. 3360-03	. 1510	1.816	542.0	
98	3.0000	.30000	35.000	.1720-01	10-0041	10-0461.	.2607-03	. 2122-03	. 2944-03	.1330	1.649	0. 1. T	
98	3.0000	.32500	36.000	.2270-01	. 1850-01	.2570-01	.3457-03	. 2813-03	. 3903-03	0771.	₹.0.5	540.5	
88	3.0000	.35000	37.000	.3450-01	.2810-01	.3900-01	. 5244-03	.4268-03	. 5922-03	.2680	3,110	0. I ¥	
98	3.0000	.37500	36.000	.3250-01	.2640-01	.3670-01	.4936-03	.4017-03	.5573-03	.2520	2.960	540.7	
8	3.0000	40000	39.000	10-0922	1840-01	.2550-01	.3433-03	. 2795-03	.3875-03	. 1760	2.075	539.5	
98	3.0000	.42500	40.000	.2270-01	. 1850-01	.2550-01	. 3452-03	.2810-03	. 3897-03	0771.	2.097	539.8	
88	3.0000	. 45000	41.000	.1970-01	.1520-01	.2110-01	.2837-03	.2310-03	. 3203-03	. 1450	1.662	539.5	
98	3.0000	.47500	42.000	. 1450-01	.1180-01	. 1640-01	. 2211-03	. 1800-03	. 2495-03	. 1130		539.2	
98	3.0000	.50000	43.000	. 1330-01	10-0801.	10-0051	.2016-03	. 1642-03	. 2276-03	. 1030	1.152	539.2	
8	3.0000	.52500	44.000	10-0-01.	.8500-02	1180-01	.1582-03	. 1288-03	. 1785-03	. 8100-01	. 9530	539.0	
98	3.0000	.55000	45.000	.9600-02	. 7800-02	10-0601.	. 1461-03	.1190-03	. 1649-03	.7500-01	. 8360	539.0	
98	3.0000	.60000	46 .000	. 7200-02	.5900-02	.8100-0 2	. 1095-03	·8914-04	. 1235-03	.5600-01	.6110	538.8	
98	3.0000	.65000	47.000	.5000-02	-4100-05	5700-05	.7648-04	.8228-04	.8631-04	.3900-01	.4170	538.7	
88	3.0000	.70000	48.000	.3700-02	.3000-02	-4200-05 -	.5590-04	.4552-04	.6309-04	.2900-01	.3170	538.8	
88	3.0000	.75000	49.000	3000-05	. 2500-02	.3400-02	.4613-04	.3756-04	.5206-04	.≥¥00-01	.2570	538.9	
98	3.0000	.80000	50.000	20-0092	.2100-02	.2900-02	.3892-04	.3169-0 +	70-76E1.	. 2000-01	2140	539.4	
8	3.0000	.87500	52.000	.7000-03	.6000-03	.8000-03	.1132-04	.9213-05	.1278-04	-0009	.7200-01	540.7	
8	3.0000	.9006.	53.000	.1000-02	.8000-03	.1100-02	. 1524-04	. 1240-04	1721-04	-00008	0801.	5.5	
88	3.0000	.92500	54.000	. 7000-03	.6000-03	.80000-03	.1103-04	.8978-05	.1246-04	-0009	10-00%	D. 14.	
98	3.0000	.95000	55.000	E0-0006.	.7000-03	.1000-02	. 1324-04	.10-CC01.	1495-04	. 7000-02	· 6900-01	940.5	
98	٠٠ ، 0000	.20000	71.000	.4160-01	.3370-01	10-0024	.6315-03	.5125-03	.7144-03	.3180	3.0%	547.9	
8	٠٠ 0000	. 22500	72.000	.2990-01	.2430-01	10-0622.	.4551-03	. 3697-03	.5145-03	.2300	2.697	ים. מינים	
98	4.0000	. 25000	73.000	.2450-01	10-0661	.2770-01	.3726-03	. 3029-03	.421 ! -03	1890	2.216	0.110	
8	٠, 0000	.27500	₩.000	.2340-01	1900-01	. 2650-01	.3560-03	.2895-03	.4022-03	.1810	٠. ٢٠	542.9	
98	۴. 0000	.30000	56.000	10-0469	.2070-01	.2870-01	. 3864-03	.3143-03	.4364-03	. 1970	2.580	545.1	
98	4.0000	.32500	57.000	.3150-01	.2560-01	.3550-01	.4781-03	. 3889-03	.5470-03	.2440	3.196	7.13	
98	٠, 0000	.35000	58.000	10-0715.	.1760-01	.2450-01	. 3295-03	. 2682-03	.3720-03	. 1680	S.209	540.5	
98	4.0000	.37500	29,000	.1570-01	. 1280-01	.1770-01	. 2385-33	1941-03	.2692-03	. 1220		0.036	
98	4.0000	0000h.	60.000	1360-01	10-0111.	10-0451	.2067-03	. 1683-03	.2333-03	. 1060	1.390	539.3	
98	4.0000	.42500	61.000	. 1050-01	.8500-02	.1180-01	. 1590-03	. 1294-03	1794-03	10-0018	1.070	539.0	
98	4.0000	.45000	62.000	.8500-02	.6300-0 <i>2</i>	- 9600-02	. 1287-03	.1048-03	. 1452-03	. 6500-01	.8560	538.8 538.8	

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O

DATE	DATE 07 OCT 75		OH-74 (AEDC	C V*18-88A)		DATA ON OR	BITER FUSEI	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	3106			PAGE	ž m
				0H-74 (AE	DH-74 (AEDC V418-88A) BGRCIRFIONIGNIZTESZYBRIG	V 862C12F	10H16H127E	\$278R19				(RVB	RVB003)
RUN	TRAVE	x/r	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF	H(910)	H(10)	H(TAH)	1000	DTHOT	2	
8			;			•	FT2SEC	FT2SEC	FTESEC	FT2SEC		DEG.	D"
8 8	0000	47500	63.000	.6700-02	2400-0S	.7500-02	.1015-03	.8263-04	.1145-03	.5200-01	.6640	538.5	
8 8	0000.	35000	000.	50-0000	50-054.	- 6400-02 - 6400-02	.0571-04	.6982-04	.9672-04	10-0044.	.5460	538.1	
8	4.3000	.55000	65.000	5200-05	50-0024.	50-0096	7828-04	.6175-04	.8555-04	.3900-01	.4830	538.3	
8	۴.0000	.60000	67.000	.2700-02	.2200-02	.3000-02	4031-04	3284-04	40-6454	10-0016	.4720	538.4	
88	۴.0000	.65000	68.000	-2000-05	.1600-02	-2300-02	.3064-04	P0-96-2.	3458-04	1500-01	. F.	. 02G.	
88 8	. 0000	.70000	69.000	.2200 -02	. 1800-02	.2500-02	.3359-04	.2735-04	.3791-04	1700-01	0261	2.05.0	
8 8		.75000	70.000	.1700-02	-1400-05	-2000-05	.2650-04	2158-04	٠٥- ١662 .	10-0041.	.1520	539.0	
8 8	4.0000	00008	75.000	.6000-03	.5000-03	.7000-03	.9006-05	.7332-05	.1017-04	.5000-02	.5600-01	539.6	
8 8	4.0000	98500	79.000	. 1000-03	50-001.	.2000-03	.2247-05	. 1829-05	.2537-05	-1000-02	.1500-01	540.5	
88	6. 0000	.95000	80.000	. 1400-02	.1100-02	.1500-02	.2075-04	. 1689-04	. 2343-04	.0000	.5980	539.3 583.2	

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATE 07 OCT 75	oc 73		OH-74 (AEDC V418-88A)	V418-88A)	HEATING D	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	ITER FUSEL	AGE PORT S	10 6		- •	PAGE 244
				OH-74 (AED	. W18-98A	OH-74 (AEDC V18-88A) BGCLEF10M1BM127E52VBR19	DM I BW I 2755	EVBR19				(RVB003)
0R911ER	ORBITER FUSEL AGE							PARAME	PARAMETRIC DATA			
					BETA	P.000	HACH	8.000	ELEVON .	.0000	RUDDER .	0000.
					1851	***TEST CONDITIONS***	•••					
RUN	MACH	ALPNA DEG.	8. ₹.	10 DEG. R	PH 060.	YAH DEG.	T DE6. R	₽ §	0 <u>%</u>	V FT/SEC	RHO SLUGS /FT3	HU LB-SEC /FT2
8	7.880	39.79	90.00	1166.	166.7	2.300	97.00	.9000-02	.3930	3602.	.8714-05	.7008-07
P.C.	RN/L	HREF BTU/ R	STN NO									
88	/FT .4480		.0175 .6063-01									
					:	**************************************	•					
ă	TRACE	X/L	1/0 10	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HCTAN	200	DTMOT	2 S
NUMBER				R=0.9	R=1.0	R-TAH	BTU/ R	81U/ R	FT2SEC	FTZSEC	/SEC	
8	0000	.27500	1.0000	10-0491	. 1330-01	10-0581	.2479-03	.2016-03	2801-03	. 1260	1.307	B. C. C. C. C. C. C. C. C. C. C. C. C. C.
8	1.0000	.30000	2.0000	10-06-11	1210-01	. 1680-01	. 2251-03	. 1782-03	. 27-27. 20-27.9.	.1120	1.147	8. I &
& £	1.0000	35000	4.0000 4.0000	1720-01	1400-01	1950-01	.2606-03	.2120-03	.29+3-03	.1330	1.378	* - * · · · *
8 8	1.0000	37500	5.0000	.2220-01	1810-01	10-0165	. 3359-03	.3281-03	. 5754-03 . 4554-03	.2060	2.114	5.1+2
8 8	1.0000	. 40000 42500	7.0000	10-0622.	10-0981	.2590-0	.3460-03	.2815-03	.3908-03	.1760	829 	رو الله الله
8 8	1.0000	.45000	8.0000	.3290-01	.2670-01	3710-01	3710-03	.3018-03	.4190-03	.1890	1.925	9.1.8
8 8	0000	.5000	10.000	2100-01	1710-01	.2370-01	.3168-03	.2578-03	.3577-03	.1620	1.638	٠. <u>١</u>
8 8	1.0000	.52500	11.000	2610-01	.2120-01	.2950-01	3943-03	. 2507-03	3480-03	.1570	1.580	: <u>:</u>
8	0000.	. 55060	12.000	10-0-0191	1310-01	10-0191	.2426-63	. 1974-03	.2740-03	.1240	552:	
£ £	0000	00009	14.000	10-0841	1200-01	.1673-01	. 2233-03	. 1817-03	.2522-03	.1.40	1.135 600	: : : : : : : : : : : : : : : : : : :
8	1.0000	. 70000	15.000	.9200-02	7400-05	10-0201.	. 1383-03	1126-03	50-980	10-0064	000	
8	1.0000	.75000	16.000	5300-05	5200-02	20-0014	-00CK	1022-04	1418-04	.6000-02	.6200-01	540.8
8	0000	00000	17.000	50-0008.	1530-03	2120-03	.2839-03	.2306-03	.3278-03	1440	1.69.1	3. M. 4.
8 8	2.0000	00000	000.61	10-0445	19-061.	.2760-01	.3693-03	.3004-03	.4172-03	0881	2.217	u de de de de de de de de de de de de de
£ £	0000.	39000	20.000	.2990-01	2430-01	.3380-01	,4523-03	.3679-03	.5108-03	.230	6.7.7.0 8.8.9.9	· · · · · · · · · · · · · · · · · · ·
8	2.0000	.42600	21.000	.3120-01	2540-01	.3520-01	-6713-03	. 3434-03	.3362-03	1520	- 6 9.	-:- 3
8	2.0000	.47800	22.000	. 1970-01	. 1500-01	.מממטיטי	77-11EU	!				

DATE 07	75 TOC 1)C3V) 1/2-HO	(A88-81+V 2C3A) +7-HO		HEATING DATA ON ORBITER FUSELAGE PORT SIDE	ITER FUSEL	AGE PORT S	310€			PAGE 24
				OH-74 (AED	C W19-88A	OH-74 (AEDC V418-88A) BBECIZFIGMIGWIZ7ESZVBRI9	0416M127E	ZVBR19				(RVB003
3	TRA:E	x/r	1/0 %	H/HREF	H/HREF	H/HREF	H(9T0)	H(10)	HCTAN	2000	DTHDT	
NUMBER) : :	l	ı	R=0.9	R=1.0	R-TAK	BTU/ R	87U/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FT2SEC	F T2SEC	FIRSEC	335/	i
8	2.0000	. 53000	23.000	.1650-01	1340-01	10-0981	F0-+630.	.2029-03	. 2816-03	.1270	024.1	20.00
æ	2.0000	.56700	%·000	1190-01	-00-05	1340-01	1793-03	1459-03	. coc4-03	10-00-6	200.0	
£	2,1,000	.62000	20.00	-9700-02	7900-02	10-0011	50-5/41.	50-6811.	1663-03	10-0067		ָ קלי קלי
8	2.3000	.67000	9. 9g	50-00/6	20-006	10-0601.	50-5951	50-1501	50-05-1	6500-01	0809	539.9
8 8	0000	75,000	000.19	3100-02	2600-02	3500-02	47.48-04	.3865-04	.5361 -04	.2400-01	.2670	539.9
8 8	2000	90000	59.000	-1400-05	.1100-02	.1600-02	.2097-04	.1707-04	.2367-04	.1100-01	.1180	5.0%
£	2.0000	.82+00	30.000	0000	.0000	.0000	.2735-06	. 2226-06	. 3088-06	.0000	.2000-0 2	540.4
&	3.0000	.20000	31.000	.3510-01	.2850-01	.3970-01	.5311-03	.4312-03	.6006-03	.2680	2.837	9.75 0.75
8	3.0000	.22500	32.000	.2940-01	.2390-01	.3320-01	.4444-03	.3609-03	.5025-03	.2240	2.510	546.2
£	3.0000	.25000	33.000	.2380-01	1930-01	.2690-01	.3596-03	. 2922-03	.4064-03	. 1820	2.039	12.44.00 12.44.00
æ	3.0000	.27500	₩.000	1910-01	. 1560-01	.2160-01	. 2893-03	.2351-03	. 3269-03	1470	BC .	945.0
æ	3.0000	30000	35.000	10-0-61.	1280-01	.2200-01	.2938-03	. 2389-03	.3319-03	1490	1.049 0.049	946.4 1
æ	3.0000	.32500	36.000	.2960-01	10-01.	.3350-01	.4477-03	3641-03	5008-U3	2000	6.075	1,040
æ	3.0000	.35000	37.000	3450-01	.2800-01	.3900-01	3212-03	.4239-03	50-889C.	0000	3.081	74.5 FF. 5
8	3.0000	.37500	38.000	10-0492	10-0515.	10-0862.	50-0555.	. 3631-03	-0-C164.	0502.	010	, a
£	3.0000	40000	39.000	10-0115.	10-02/1.	2200-01	50-5012	50-0666	2505-03	0591	570	
æ	3.0000	42500	40.000	10-0115.	1760-01	10-0669.	3605-03	20-0200	E0-6006.	0821	10.0	5,000
86 S	3.0000	00064	000.14	10-0001	10-051	10-0/91	50-20c3.	1770-03	2458-03	1110	3,6	1.0
e s	3.0000	0000	74.000	1350-01	10-0/11	15-0-01	2039-03	1660-03	. 2301-03	9401.	1.164	539.9
8 8	3.0000	00000	000.64	-0096	.7800-02	1080-01	1446-03	.1177-03	.1632-03	.7400-01	.8690	539.6
8 8	3.0000	55000	45.000	-8700-02	.7100-02	-00086	.1312-03	.1069-03	.1481-03	.6700-01	7490	539.5
3 89	3.0000	.60000	46.000	.6800-02	.5500-02	.7600-02	. 1021-03	.8311-04	.1152-03	.5200-01	.5690	539.4
8	3.0000	.65000	47.000	-4500-02	.3700-02	.5100-02	.6841-04	.5570-04	.7722-04	.3500-01	.3720	539.4
8	3.0000	.70000	48.000	.3200-02	.2600-02	.3500-02	·4802-04	.3910-04	.5420-04	.2500-01	.2720	539.3
8	3.0000	.75000	49.000	20-005'	. 1200-02	-1700-02	.2302-04	1874-04	-5265-C	19-07-01	. 1280	539.6
8 2	3.0000	.80000	50.000	.5000-03	.4000-03	.6000-03	. 7920-05	.6447-05	20-1-69.	-0000 · .	10-0054	3.8.0 6.00
86	3.0000	.85000	51.000	.2200-02	. 1800-02	2400-05	.3256-04	-2650-04	.3576-04	10-0071.	.2000	v 1
£	3.0000	.87503	52.000	.6000-03	.5000-03	. 7000-03	.9167-05	CO-96-11	.1035-U4	50-0000	10-0086	
8	3.0000	00006	53.000	. 1000-03	. 1000-US	.10001.	60-1391	20-00-10	1217-04	20-0009	7800-01	
e s	3.0000	0000	7. O	50-0005	E0-0004	5000-03	7122-05	5796-05	80-2408	-000h	3700-01	540.8
8 8	2000.1	00000	21.000	10-080-	.3310-01	.4623-01	.6171-03	.5007-03	.6983-03	.3100	3.534	548.8
3 &	0000	25500	72.000	3040-01	2470-01	3440-01	.4595-03	.3731-03	.5197-03	.2320	2.714	546.7
3 E	0000	25000	73.000	.2850-01	.2320-01	.3230-01	.4311-03	.3502-03	.4874-03	.2180	2.55+	545.5
8	4.0000	27500	₹.000	.2820-01	.2290-01	.3190-01	.4263-03	.3464-03	.4818-03	.2160	2.673	3.44.0
æ	4.0000	.30000	56.000	.30cc-01	10-0+42.	3390-01	.4532-03	.3684-03	.5171-03	. 2300	3.014	543.8
æ	4.0000	32500	57.000	.2640-01	.2150-01	.2980-01	.3991-03	. 3245-03	. 4509-03	.2030	2.660	542.8
æ	4.0000	35000	56.000	.2020-01	10-0491	.2280-01	. 3051-03	.2482-03	3446-03	. 1550	2.040	٠ <u>٠</u>
8	4.0000	37500	29.000	. 1560-01	1270-01	1760-01	.2354-03	. 1916-03	2659-03	. 1200	7.57.	5.0
86	4.0000	0000h.	90.00	15-0-01	.1010-01	10-00-1	. 1872-03	. 1523-03	.2113-03	10-0005	0000	- 0
£	4.0000	.42500	900.19	-9700-02	.7900-02	10-0011	. 1470-03	.1197-03	. 1660-03	10-006/	e R	D . n . D

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DATE 07 OCT	OCT 75		0H-74 (AEDC	V+18-86A)		HEATING DATA ON ORBITER FUSELAGE PORT	ITER FUSEL		SIDE	•		PAGE	246
				OH-74 (AED	C W18-88A	H-74 (AEDC V418-88A) BG2CI2F10M16HI27E52V8R19	OM16W127ES	EVBR19				(RVB003)	103)
2	TRATE	χ۲	1/C NO	H/HREF	HVHREF	HVHEEF	H(910)	HCTO	HITAM	200 0	OTHOT	7	
NUMBER				R-0.9	R=1.0	R-TAM	BTU/ R	BTU/ R	87.V.R	etu/	DEG. R	DEG.	~
							FTZSEC	FTESEC	FTZSEC	FT2SEC)3EC		
8	4.0000	.45000	62.000	.7200-02	.5800-02	.8100-0Z	.1083-03	.0917-Q	. 1222-03	.5500-01	.7200	539.4	
æ	4.0000	.47500	63.000	.5500-02	-4500-02	.6200-02	.8287-04	.6748-0 4	-9323 ·	.4200-03	5450	539.0	
8	4.f.300	.50000	6 ₹.000	5200-05	.4200-02	.5800-02	-0-96-1	.6349-04	₩-56L8·	.4000-01	,4960	538.9	
8	4.3000	.52500	65.000	×900-05	.4000-0S	.5500-02	.7378-04·	+0−6009 .	.8326-0°	.3800-01	.4690	538.9	
8	4.0000	.55000	66.000	.4700-0 2	.3800-02	5300-05	.7104-04	.5785-04	.8019-0 4	.3600-01	.4280	538.9	
8	4.0000	.60000	67.000	.2500-02	. 1800-02	20-0052	.3376-04	\$0-6×2.	.3810-04	10-0041.	1950	538.7	
82	4.0000	.65000	69.000	. 1900-02	.1500-02	.2100-02	.2800-04	.2280-04	3160-04	1400.01	. 1690	538.8	
8	4.0000	.75000	70.000	. 1300-02	.1000-02	. 1400-02	1910-04	1555-04	. 2156-04	10-0001	.1090	539.6	
æ	4.0000	.85000	76.000	. 1000-03	.0000	. 1000-03	8765-06	.7133-06	90-9686	.0000	.5000-02	540.5	
8	4.0000	.87500	77.000	.5000-03	.4000-03	.6000-03	.8153-05	.6637-05	.9204-05	20-000 4.	.5500-01	£0.3	
88	4.0000	.90000	78.000	. 1000-03	.1000-03	.2060-03	.2247-05	. 1829-05	2537-05	. 1000-02	.1500-01	¥0.5	
æ	4.0000	.92500	79.000	-6100-05	.500n-02	.6900-02	.9389-04	.7647-04	. 1060-03	10-0084	.5980	539.3	
8	\$.0000	. 95000	80.000	.5700-02	.4600-02	.6+00-02	.8739-04	.7116-04	₹)- 1 586.	. 4500-01	.5270	9±0.0	

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DATE	DATE 07 OCT 75		OH-74 (AEDO	OH-74 (AEDC V418-BBA) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	HEATING	DATA ON OR	BITER FUSEI	AGE PORT S	301			PAGE 247
				OH-74 (AE	DC W18-88	04-74 (AEDC V418-88A) BG2C12F10M1G4127E52V9R19	IOM164127E	52VBR19				(RVB003)
11890	ORBITER FUSE, AGE	301						PARANE	PARAMETRIC DATA			
					BETA	- 2.000	MACH	9.000	ELEVON .	0000	RUDDER .	0000.
					531···	***TEST CONDITIONS***	•••\$					
\$	PACH.	1 ALPHA	8	5	Ē	YAH	-	a .	0	>	£	₹
NUMBER			₩	DEG. R	CE 6.	050.	DEG. R	PSIA	PSIA	FT/SEC	St. UGS /FT3	LB-SEC /FT2
8	7.960	8.8	299.3	1269.	-90.02	2.000	92.80	.3230-01	1.405	3758.	•0-£96≥·	.7473-07
3	7		STN NO									
MUMBE	X X10 6	5 BTU/ R	* 5									
*	1	•	.3375-01									
						TEST DATA	:					
2	TRACE	X	1/C NO	H/HREF	H/HREF	H/HREF	H(970)	H(10)	H(TAH)	D	TOME	7
NUMBER			•	R-0.9	R-1.0	R-TAM	BTU/ R	BTU/ R	BTU/ R	· BTU/	DEG. R	DEG. R
							FT2SEC	FT2SEC	F125EC	FT2SEC	7367	
22	1.0000		1.0000	10-0851	1310-01	1770-01	.4586-03	.3787-03	.5127-03	2760	2.862 0.8	540.8
R ?		•	2.9C-3	10-0961	10-0211	1390-01	3615-03	2986-03	.4040-03	.2180	. v. v.	539.6
R		00052	4.0000	1410-01	1170-01	1580-01	.4089-03	.3378-03	.4571-03	.2460	2.559	539.6
***************************************	1.0000		5.0000	10-0601.	-0006	1220-01	.3155-03	.2606-03	.3527-03	0061.	2.001 2.001	9±6.0
137 13	9000	20000	6.0000	2030-01	10-0861.	10-080-5.	.5893-03	.4865-03	.6589-03	0.5% 0.5% 0.5%	3.673	541.4
3 23	1.0000		9.0000	10-03-5.	.2020-01	10-01/2	.7099-03	.5862-03	.7937-03	.4270	4.367	- : - : - :
28	1.0000		9.0000	.2260-01	10-0981	.2520-01	.6543-03	.9±01-03	.7316-03	.3930		8.74
19 . 1	. 5000	. 5000°	10.000	10-0765.	10-08-2	10-06-26	1152-02	. 9506-03	. 1289-02	.6900	5.985	543.5
RA	0000		12.000	10-0/14.	3440-01	.4660-01	. 1208-02	.9969-03	.1351-02	.7230	7.259	543.5
. . .	1.0000		13.000	10-0204.	.3320-01	10-0054	.1155-02	.9609-03	.1303-02	.6960	7.046	54.7
8	1.0000		14.000	.2420-01	2000-01	10-0175.	.7014-03	.5791-03	.7843-03	.4210	4.272	r: 146
#	0000		15.000	10-0561	10-0191	10-0812	.20-21-03	20-8004.	50-60ca.	266	3.314 6.636	5.04G
PR P	999	00007.	15:000	10-0901	. 6800-02	10-0611	.30,7-03	.2538-03	3+36-03	. 1850	1.792	
R 19	2.0000		10.000	10-0891	1390-01	1880-01	.4883-03	.4032-03	5479-03	. 29¥0	3.448	540.8
R	2.0000		19.000	10-0051	1320-01	1790-01	.4645-03	.3836-03	.5192-03	.2800	3.303	70.0
8	2.0000		20.000	.2850-01	.2360-01	3190-01	.8268-03	.6826-03	.9245-03	.4970	5.863	
8	2.000 1.0000	5 , 3	21.000 000.000	3610-03	10-0865	.4030-01 6230-01	50-6401.	20-C269.	.1807-02	96:10	5 . 01 ¥. 01	
R	2.0000	0084.	KK.000	5-0/B	- 2000		5	;		}		1 1 1

				OH-74 (AE)	DC V*18-88	OH-74 (AEDC V418-88A) BG2C12F1OM164127E52VBR19	10M10W127E	SZVBR19				(RVB003)
\$	TRANT	X	1/C NO	H/HREF	HIMEF	H/HREF	H(910,	H(10)	HITAN	200	DTMDT	3
MAPRER				R=0.9	R-1.0	R-TAH	81U. R	8TU/ 8	81U/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FT2SEC	FTZSEC)3S/	
R	≥.0000	.53000	23.000	.3300-01	.2720-01	.3690-01	.9566-03	.7893-03	50-6701.	.5730	6.383	943.2
R	2.0000 2.0000	.56700	₽. 000 ₽.	.2310-01	10-0161	10-0662	.6702-03	.5533-03	.7493-03	.4030	4.382	41.2
22	2.000	.62000	23.000 23.000	. 1520-01	. 1260-01	1700-01	.4416-03	. 3646-03	.4936-03	.2660	2.891	9.0.6 9.0.6
8	2.J000	.67000	26.000	10-0111.	. 92 00-02	. 1240-01	. 3226-03	. 2665-03	.3605-03	0 26 : .	2.119	539.0
8	2.0000	.70500	27.000 29.000	-8300-05	.7700-02	10-0-01	.2698-03	. 2229-03	.3015-03	.1630	.756	539.0
R	2.0000 2.0000	.75000	28 .000	-0018	.6700-02	20-0006 .	. 23¥-03	. 1928-03	.2608-03	0141.	- 25 - 25	539.0
8	2.0000	.00000	29.000	-20-0095	×600-02	.6300-02	. 1629-03	.1346-03	. 1821-03	.9800-01	1.087	538.8
8	2.0000	.82400	30.000	.9000-03	. 7000-03	. 1000-02	.2472-Ot	-E-02.	2753-04	1500-01	.2080	538.6
R	3.0000	.20000	31.000	10-01#.	10-0182	.3820-01	.9886-03	.8146-03	.1107-02	.5870	6.216	₹8.2
8	3.0000	.22500	32.000	10-0962.	.2440-01	.3320-01	.8593-03	.7085-03	.9617-03	5120	5.727	546.1
R	3.0000	25000	33.000	.2270-01	1980-01	. 2540-01	.6593-03	5441-03	.7374-03	.3950	\$\d \$. \$	543.0
8	3.0000	.27500	₩.000	11790-01	1480-01	.2010-01	.5201-03	.4294-03	.5815-03	.3130	3.748	541.2
R	3.0000	30000	35.00	. 1620-01	1340-01	10-0181	.4704-03	. 3885-03	.5259-03	.2830	3.512	1.0%
R	3.0000	32500	36.000	. 1690-01	1390-01	10-0861.	.4885-03	.4035-03	.5460-03	. 29£0	3.458	539.7
92	3.0000	.35000	37.000	.2500-01	. 2060-01	.2790-01	.7242-63	. 5981-03	.8096-03	.4360	5.065	540.5
8	3.0000	.37500	38.000	.3700-01	. 3050-01	.4130-01	. 1071 - 02	. B840-03	.1198-02	.6420	7.537	542.5
8	3.0000	0000a.	39.000	.4390-01	.3620-01	10-0164	-1121.	. 1049-02	. 1422-02	.7620	8.9 0 t	5k2.5s
8	3.0000	.42500	*0 .000	10-09-5	.3680-01	10-0664	. 1294-02	.1067-02	. 1447-02	- 12°	9.169	0.440
*	3.0000	.45000	№1.060	10-06**	.3710-01	.5030-01	.1302-02	.1075-02	.1457-02	.7810	8.95¢	9.57.0 8.03.0
23,	3.0000	7500	42.000	.3330-01	.2750-01	.3730-01	.9665-03	. 7977-03	. 1081-02	.5800	6.462	4. C40
黑	3.0000	.50000	43.000	.2400-01	10-0861	.2680-01	.6954-03	.5742-03	.7775-03	.4180	4.665	54C.8
8	3.2000	52500	44.000	1620-01	13-0-01	10-0181	.4699-03	.3881-03	. 5252-03	.2830	3.352	539.9
胃	3.0000	.55000	45.000	.1340-01	10-0111	1500-01	. 3896-03	. 3218-03	.4324-03	. 2350	2.621	539.5
8	3.0000	.60000	46.000	.9600-02	. 7900-02	10-0/01.	.2778-03	. 2295-03	.3105-03	. 1680	825 525	539.0
肃	3.0000	.65000	47.000	.6700-0 2	.5500-02	-7500-02	. 1946-03	. 1608-03	.2175-03	.1170	1.250	538.5
8	3.0000	.70000	48.000	£0-0074.	. 3900-02	.5200-02	. 1351-03	.1116-03	. 1509-03	.8200-01	.9010	538.7
8	3.0000	.75000	49.000	. 3200-02	. 2600-02	. 3500-02	₩-18I6.	.7587-04	. 1026-03	.5500-01	.6040	538.2
83	3.0000	.80000	50.000	-1400-05	. 1200-02	. 1600-02	.4075-04·	.3368-04	\$0-\$69±.	. 2500-01	. 2650	536.0
97	3.0000	.87500	2 5 . 000	-000h.	. 3300-02	-4500-0 2	.1164-03	*0-6096·	. 1301-03	. 7000-01	.8670	٠٠. م
8	3.0000	(J006)	53.000	-4100-05	3+00-05·	-4600-05	. 1104-03	.9776-04	. 1324-03	.7100-01	.9920	0.140 0.140
23	3.0000	. 92500	000 · ♣	-500-05	-2100-02	.2800-02	.7372-0%	.6086-04	.82+3-04	10-00+4	.5810	r
8	3.0000	. 95000	55.000	. 2200-02	. 1800-02	5000-05	.6453-04	5,729-04	.7214-04	3900-01	250	340.5
9	4.0000	.20000	71.000	10-0-04.	.3330-01	.4530-01	.1172-02	. 9645-03	. 1313-02	0169.	7.865	552.3
98	4.0000	.22500	72.000	.3150-01	. 2590-01	.3520-01	.9120-03	.7514-03	. 1021-02	54.20	6.338	7. g
25	4.0000	.25000	73.000	.2450-01	.2020-01	.2750-01	.7114-03	.5867-03	.7960-03	.4250	4.978	9£0.0
3	۴.0000	.27500	₹.000	.2340-01	1930-01	.2610-01	.6768-03	. 5584-03	.7572-03	.4050	5.012	543.9
27	4.0000	30000	56.000	.2110-01	1740-01	.2360-01	.6111-03	. 5044-03	.6834-03	.3670	¥.808	542.3
8	4.0000	. 32500	57.000	.4090-01	.3370-01	.4580-01	.1:86-02	.9780-03	13?7-02	.7080	9.282	Q. 4.40
8	. 0000	.35000	58.000	.5270-01	. 4340-01	10-0065	. 1527-02	. 1258-02	. 1709-02	.9080	88. =	£7.5
*	4.0000	37500	59.000	.3530-01	.2920-01	.3950-01	. 1025-02	.8455-03	.1146-02	0419.	8.051	542.8
3	4.0000	0000₩.	60.000	. 2230-01	10-0-01	.2490-01	.6460-03	. 5334-03	. 7223-03	.3880	5.093	5€ I .3
*	. 0000	.42500	61.000	1280-01	1310-01	10-0771.	.4588-03	.3789-03	.5129-03	.2760	3.626	340.3
28	¥.0000	. 15000	62.000	1150-01	.9500-02	. 1290-01	. 3341-03	.2750-03	.3734-03	.2010	2.614	539.4

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OH-74 (AEDC V418-88A) HEATING DATA ON URBITER FUSELAGE PORT SIDE

DATE 07 OCT 75

PAGE 248

DATE 07	87 TOC 78		2 7 70	¥ 203	CH-74 (AEDC V418-88A)		ATA ON OR	HEATING DATA ON ORBITER FUSELAGE PORT		3018			PAGE	î
				₹	H-74 (AEDC	W-19-98	II BRECIEF	V-19-66A) BRECIEFIONIGNIETESEVBRIG	SeveR19				(RVB003)	003
3	TRA'E	×۲	1/C NO		H/HREF	H/HMEF	H/HREF	H(9T0)	H(10)	HCTAN	2000	DTMDT	2	
NABER				é r	6.0		P-72K	BTU/ R FT2SEC	87U/ R	BTU/ R FT25EC	910/ F1255C	DEO. R	69	æ
R	4.9000	.4750C	63.000	•	700-05	.7200-02	\$700-02	.2512-03	. Pn75-03	.2808-03	1510	1.931	539.6	
2	4.0000	20006		Ĭ	7100-02	.5900-02	-8000-05	.2065-03	. 1706-03	. 2308-03	. 1250	7.9.7	538.5	
2	4.r.300	00036	65.000	·	400-05	.4500-02	-6100-02	.1578-03	. 1304-03	1764-03	10-0056	1.183	538.4	
R	4.3000	55000	56.000	•	20-002	.4300-02	. 580V-02	.1495-03	. 1235-03	. 1676-03	10-0006	1.062	537.9	
*	₹.0000	.60000	67.000	•	500-02	.2900-02	.3900-02	.1018-03	.0-11-0.	.1157-03	.6200-01	.6950	537.6	
2	\$.0000	.65000	69.000	•	100-05	20-0052	3400-05	.8851-04	.7323-04	.9901-0 4	5400-03	. 5300	537.8	
8	\$.0000	. 70000	69 .000	·	800-05	. 1500-02	.2000-02	.5209-04	¥0-50£4.	.5820-04	.3100-01	.3520	538.0	
8	\$.000g	75000	70.000	•	100-02	.9000-03	. 1200-02	. 3206-04	.2650-04	.3582-04	10-0061	.2170	537.3	
8	¥.0000	90000	75.000	•	000-03	.4000-03	5000-03	.1373-04	おったこ	1534-04	.8000-0 2	. 1000+00	538.1	
22	\$.0000	92000	76.000	•	800-05	.3100-02	.4200-0S	. 1095-03	.9050-0	. 1223-03	.6600-01	. DE70	537.7	
黑	4.0000	87500	77.000	·	400-05	.1100-02	.1500-02	.3978-04	.3287-04	*0-S+++	10-00-E.	.3160	538.5	
27	4.0000	90006	78.000	Ĭ	20-09	.1400-02	. 1800-02	40-6574 .	.3932-04	5319-04	2900-01	.3730	539.1	
2	4.0000	.92500	9.000	ĸ.	20-000	.4100-0S	.5600-02	.141-03	. 1190-03	. 1610-03	.8700-01	1.071	539.4	
2	\$.0000	.95000	80.000	* .	¥100-05	.3400-05	.4e00-02	. 1.94-03	-6986°.	. 1335-03	.7200-01	450	940.2	

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FINEL AND TO TO PHILIPPED TO THE PRODUCTIONS**** FINAL HACK X/L 1/C NO HAMET WARET HISTON HITON	#### ALPHA OE6. 39.84 ###################################			oni Gui 27ES	EVBR19	,			(RVB003)
### PO TO PHI YM T P P510 CEC. PC CEC. PC P514 P514 P514 P514 P515 P515 P515 P515	ALPMA PO MED. PSIA 39.84 288.7 HREF STN NO BTU/R FF FT25C .0175 .27500 1.0000 .30000 2.0000 .37500 2.0000 .45000 8.0000 .45000 8.0000 .47500 8.0000 .47500 8.0000 .47500 11.000 .55000 11.000 .56000 15.000 .26500 14.000 .26500 15.000 .26500 16.000 .26500 16.000 .26500 17.000 .26500 18.000 .26500 18.000 .26500 18.000 .26500 18.000 .26500 18.000 .26500 18.000 .26500 18.000 .26500 18.000		100	DATE OF THE SECOND			_		
##### PO TO PHI YAL PP PSIA 8.000 ELEYON ##### STA DEG.	ALPHA PO DEG. PSIA 39.84 290.7 BITU! R R- FTESEC .0175 2696-01 .10000 .27500 1.0000 .37500 2.0000 .45000 2.0000 .45000 2.0000 .45000 3.0000 .45000 1.0000 .45000 1.0000 .45000 1.0000 .45000 1.0000 .45000 11.900 .45000 11.900 .45000 11.900 .45000 11.900 .45000 11.900 .45000 11.900 .45000 12.000 .45000 12.000 .45000 12.000	OH-74 (AEDC 1418-	BOAT BEECLEF!		•				
#### PO 10 PHII YMI T P O 000 ELEYON FIELD CEG. 0.000 FACH = 8.000 ELEYON FIELD CEG. 0.000 FCG. 0.0	##EF STW ND BTU/ R FT256-01 378-01 37				PARAFE	TRIC DATA	¥.		
7.860 39.64 296.7 1289. 166.7 2.300 92.40 3200-01 1.402. 36.44 26.40 35.64 26.40 1.200-01 1.402. 36.64 26.40 320.64 1.200-01 1.402. 3770-01 1.200-01 1.402. 3770-01 1.200-01 1.402. 3770-01 1.200-01 1.402. 3770-01 1.200-01 1.402. 3770-01 1.200-01 1.402-01 1.200-01 1.402-01 1.200-01 1.402-01 1.200-01 1.402-01 1.200-01 1.402-01 1.200-01 1	HMCH ALPHA PO DEG. PSIA 7.960 39.84 298.7 II XIO 6 BTU/R R" /FT FT2SEC 0175 1.437 -2886-01 .378-01 1.0000 .30000 2.0000 1.0000 .32500 1.0000 1.0000 .32500 3.0000 1.0000 .47500 8.0000 1.0000 .47500 9.0000 1.0000 .47500 9.0000 1.0000 .47500 9.0000 1.0000 .47500 9.0000 1.0000 .75000 11.000 1.0000 .75000 13.000 1.0000 .75000 14.000 1.0000 .75000 15.000 1.0000 .28500 11.000	3	•					RUCOER .	0000
### PO 10 PHI VMH T P P PSIA PSIA PSIA PSIA PSIA PSIA CEO. REO. REO. REO. REO. REO. REO. REO. R	TAGE ALPHA PO T.960 30.84 288.7 T.960 30.84 288.7 I.437 2896-01 TRACE X/L T/C NO 1.0000 32000 2.0000 1.0000 32500 1.0000 1.0000 37500 5.0000 1.0000 37500 1.0000 1.0000 35000 1.0000 1.0000 35000 1.0000 1.0000 35000 1.0000 1.0000 35000 1.0000 1.0000 35000 1.0000 1.0000 35000 1.0000 1.0000 35000 11.000 1.0000 35000 11.000 1.0000 35000 11.000 1.0000 35000 11.000 1.0000 35000 11.000 1.0000 35000 11.000 1.0000 35000 11.000 1.0000 35000 11.000 1.0000 35000 11.000 2.0000 18.000 2.0000 19.000				-	,	**		
7.960 39.94 290.7 1269. 166.7 2.300 92.40 3200-01 1.402. 3 REV. HEET STIN HO KEG. R DEG. DEG. DEG. DEG. REG. REG. 1.402. 3 11.437 260 39.94 290.7 1269. 166.7 2.300 92.40 3200-01 1.402. 3 11.437 260 30.00 1.500	TRACE X/L TYC NO TO TO TO TO TO TO TO TO TO TO TO TO TO	•	rest combition	:		-			
7.660 39.84 288.7 1289. 166.7 2.300 92.30 32.00 1.402. 1.402. 11.403.	7.860 39.84 298.7 II XIO 6 BIV/ R R" II,437 .2868-01 .3378-01 I.0000 .27500 I.0000 I.0000 .32000 2.0000 I.0000 .37500 3.0000 I.0000 .37500 3.0000 I.0000 .47500 8.0000 I.0000 .47500 8.0000 I.0000 .47500 8.0000 I.0000 .47500 8.0000 I.0000 .75000 II.000 I.0000 .75000 III.000		7AH 0E6.		- 4 4 8 1 8	O SIS	V FT/SEC	SLUGS	£ 61 25 €1
######################################	NEVL HREF STH NO NE NO N		2.300	8 .40	. 3200-01		.158	.2857-04	.T+73-07
**************************************	TRACE X/L T/C ND 1.0000 .27500 1.0000 1.0000 .32500 3.0000 1.0000 .37500 3.0000 1.0000 .37500 1.0000 1.0000 .40000 6.0000 1.0000 .45500 1.0000 1.0000 .45500 1.0000 1.0000 .45500 1.0000 1.0000 .45500 1.0000 1.0000 .45500 10.000 1.0000 .45500 11.000 1.0000 .45500 11.000 1.0000 .55500 11.000 1.0000 .55500 11.000 1.0000 .55500 11.000 1.0000 .55500 11.000 1.0000 .55500 11.000 1.0000 .55500 11.000 1.0000 .55500 11.000 1.0000 .55500 11.000 1.0000 .55500 11.000 1.0000 .55500 11.000 1.0000 .55500 11.000 1.0000 .55500 11.000 1.0000 .55500 11.000 1.0000 .55500 11.000					•	,		
TRACE X/L 1/C NO N/HREF	1.437 .2886-01 .3378-01 1.0000 .27500 1.0000 1.0000 .30000 2.0000 1.0000 .37500 3.0000 1.0000 .47500 5.0000 1.0000 .47500 9.0000 1.0000 .47500 9.0000 1.0000 .47500 9.0000 1.0000 .47500 9.0000 1.0000 .47500 9.0000 1.0000 .75000 11.000 1.0000 .75000 14.000 1.0000 .75000 14.000 1.0000 .75000 16.000 2.0000 .30700 18.000					; ; ;;			
TRMCE X/L 1/C NO H/HREF H/HREF HIGHON HITON HITON HITANN R=0.9 R=1.0 R=1.44 BTU/R BT	1.0000 .27500 1.0000 .1.0000 1.0000 1.0000 2.0000 1.00000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.00000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.00000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.000						-		
TRACE X/L T/C NO H/HBEF M/HBEF	1.0000 .27500 1.0000 .1.0000 .1.0000 .27500 1.0000 .20000 .20000 .1.0000 .27500 1.0000 .20000 .27500 1.0000 .27500 1.0000 .27500 1.0000 .27500 1.0000 .27500 11.0000 .27500 11.0000 .27500 11.0000 .27500 11.0000 11.0000 .27500 11.0000 .27500 11.000 12.000 12.000 12.0000 .275000 12.000 12.0000 .275000 12.000 12.0000 .275000 .275000 12.0000 .275000 .27		*** DATA**	•		-			
1,0000	1.0000 1.0000 2.0000 1.			H(9TO)	H(10)	HCTAN	2000	DTADT	2 S
1.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.30000 2.0000 1			BTU/ R	87V R	810/ R	B10/	יפני א עליני	
1.0000	1.0000			F165EC	7967-03	F0-82-03	2810	P.914	942.4
1.0000 35000 1.0000 1.1330-01 1.100-01 1.980-01 3802-03 3.172-03 3.9533-03 1.0000 35000 3.0000 1.1330-01 1.100-01 5.250-03 3.962-	1.0000 1.3500 3.0000 1.0000 1.0000 1.0000 3.0000 1.			.4523-03	.3733-03	.9057-03	.2710	2.883	9. i.e
1.0000 37500 4.0000 1.8530-01 2240-01 6.2560-03 4426-03 75803-03 1.0000 1.0000 4.0000 5.0000 2220-01 1.830-01 2240-01 6.2560-03 5561-03 6.299-03 7781-03 1.0000 4.0000 6.0000 7.0000 1.2590-01 7221-03 7221-03 55951-03 8074-03 1.0000 4.0000 6.0000 7.0000 1.2590-01 7250-01 22510-01 2250-01	1.0000			. 3842-03	.3172-03	.4295-03	.2310	2.375	D
1,0000	1,0000 .37500 5,0000 1,0000 1,0000 1,0000 .40000 6,0000 1,	•	•	.5360-03	.4426-03	5903-03	3250	2 . y . y	5.5.5
1,0000	1.0000 .40000 6.0000 1.0000 .42500 7.0000 1.0000 .47500 9.0000 1.0000 .52500 11.000 1.0000 .52500 11.000 1.0000 .52500 11.000 1.0000 .75000 12.000 1.0000 .75000 13.000 1.0000 .75000 14.000 1.0000 .75000 18.000 2.0000 .75000 18.000	•	•	. 6 -1-63	50-8626.	20-1217.	4330	4.455	8
1,0000	1,0000 - 4-500 - 1,0000 1,0000 - 4-500 1,0000 - 4-500 1,0000 - 5-500 1,0000 - 5-500 1,0000 - 5-500 1,0000 - 7-500	-	•	5719-03	.4721-03	.6395-03	.3430	3.561	ø. <u>1₹</u> 0
1.0000	1,0000		• •	.9268-03	7649-03	. 1037-02	.5560	5.683	9 (10 (
1.0000 52500 11.000 3500-01 8970-01 1008-02 1959-03 1165-02 1.0000 55000 11.000 3500-01 8970-01 1008-02 1089-03 1165-02 1.0000 55000 12.000 3500-01 8970-01 1989-03 1989-03 1089-03 1089-03 1.0000 55000 12.000 3500-01 8280-01 1999-03 1999-03 1989-03 1089-03 1089-03 1.0000 65000 13.000 65000 13.000 6500-01 8280-01 3990-01 1999-03 1999-03 1989-04 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-04 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-04 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-04 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-04 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-04 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-04 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-04 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-04 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-04 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-04 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-04 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-04 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-04 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-03 1989-	1,0000 .52500 10.000 1,0000 .52500 11.000 1,0000 .52500 12.000 1,0000 .65000 13.000 1,0000 .75000 15.000 1,0000 .75000 16.000 1,0000 .75000 16.000 2,0000 .80000 16.000		•	.8885-03	. 7331-03	.9938-03	.5320	5.475	
1.0000	1.0000 .52500 11.900 1.0000 .55000 12.000 1.0000 .60000 13.000 1.0000 .75000 15.000 1.0000 .75000 16.000 1.0000 .80000 16.000 2.0000 .33700 18.000	-	•	.7269-03	5999-03	. BIE7-US	000	6.319	a M
1.0000	1,0000 15.000 16.000 17		•	- 1042-0c	50-145C	1024-02	84.6	5.511	542.6
1.0000	1.0000 . 60000 13.000 1.0000 . 75000 15.000 1.0000 . 75000 16.000 2.0000 . 80000 16.000 2.0000 . 33700 18.000		•	7994-03	.6597-03	.8941-03	.4790	4.855	542.8
1.0000 . 65000 14.000 . 5500-02 . 7900-02 . 1070-01 . 2777-03 . 2293-03 . 3105-03 15.000 . 70000 15.000 . 9500-02 . 7900-02 . 1070-01 . 2972-09 . 1349-03 15.000 . 75000 16.000 . 4200-02 . 9000-02 . 4700-02 . 1207-03 . 9972-09 . 1349-03 1.0000 . 7700-01 . 1000-02 . 3299-09 . 275-09 . 1349-03 2.0000 . 33700 19.000 . 7770-01 . 1460-01 . 15800-01 . 5180-03 . 5049-03 . 5643-03 2.0000 . 33700 19.000 . 2960-01 . 1740-01 . 3200-01 . 6180-3 . 5049-03 . 9260-03 . 50000 . 29000 . 29000-01 . 3170-01 . 4300-01 . 4300-01 . 5180-03 . 1244-02 . 10000 . 29000-01 . 3170-01 . 4300-01 . 112-02 . 90000 . 3000-01 . 3170-01 . 3170-01 . 4300-01 . 50400-03 . 50400-0	1,0000 19,000 1,0000 7,0000 18,000 1,0000 75000 18,000 2,0000 2,0000 19,000 2,0000 33700 19,000		•	7371-03	6084-03	. B243-03	.4420	4.483	£2.1
1.0000 7.5000 16.000 14.200-02 34.00-02 1207-03 .9972-04 .1349-03 1.0000 7.5000 16.000 1100-02 34.00-03 11300-03 1290-03 1258-04 .2756-04 .3687-04 1.0000 17.000 11.000-02 3298-04 .2758-03 .5778-03 2.0000 2.33700 19.000 17.70-01 1740-01 .2360-01 .6118-03 .5048-03 .9587-03 2.0000 3.33700 29.0000 29.000 2	1,0000 .75000 16,000 1,0000 .75000 16,000 2,0000 .26500 18,000 2,0000 .33700 19,000		• •	.e.m-03	.2293-03	.3105-03	. 1670	1.635	20.6
2.0000 .80000 17.000 .1100-02 .9000-03 .1300-06 .3299-04 .275-04 .2057-03 .29000 .29550 .10000 .1700-01 .1460-01 .1980-01 .5118-03 .4223-03 .5734-03 .20000 .29500 19.000 .2110-01 .1700-01 .1700-01 .5118-03 .5049-03 .6843-03 .20000 .25000 .29500 .2110-01 .2350-01 .3200-01 .6959-03 .9267-03 .20000 .29000 .2900-01 .3170-01 .4350-01 .1112-02 .20000 .29600-01 .3170-	2.0000 .33700 19.000 .2000 .33700 19.000		٠	. 1207-03	.9972-O-	1349-03	10-0007	085/	339.5
2.0000 28500 18.000 .'770-01 .1460-01 .1980-01 .518-03 .5048-03 .6843-03 . 2.0000 .33700 19.000 .2850-01 .1740-01 .3260-01 .618-03 .5048-03 .9267-03 . 2.0000 .39000 20.000 .2850-01 .3260-01 .3260-01 .8285-03 .9267-03 . 2.0000 .39000 20.000 .3870-01 .3170-	2.0000 .33700 19.000		•	5-052M	M-02/5.	5778-03	3070	3.596	
2.0000 33700 19.000 20.000 19.000 19.000 19.000 20.0000 20.0000 20.000 20.000 20.000 20.000 20.000 20.000 20.000 20.000 20.000 20.000 20.000 20.000 20.000 2	2.0000 .33700 19.000			FO-0116.	50-8-03	6843-03	3670	4.326	542.7
20.000 39000 23.000 3900-01 3170-01 4300-01 1112-02 3.000 3.			•	8285-03	.6836-03	.9267-03	.×960	5.851	543.2
EG-BASE TALABATE TALABATE TALABATE BOOKS	. Maria 2006. 0000.2		• •	-1115-02	.9170-03	. 1244-OZ	.66¥0	PLL. 7	12. i
. 53.00-07 . 53.00-01 . 53.00-01 . 53.00-02			•	.8555-03	.7060-03	.9569-03	.5130	5.7IF	9. 6

ただち、金色のマイで、大型では、ログラのできます。 こうか せいめい 一角であっていませんがく たんかい 単位なな 大変ない はままってき こうてんしん しょしん

							•			•	_	
				34-74 (AE	SC 14:0-88	A) BESCIES	OH-74 (AEDC V418-88A) BBZCI@FIOMIGUIZTESZVBRIS	SEVBR19				(RVB003)
į	•	3	•		מ/תפנג	ה/ושנג	KOTOTA	MC TO	HCTALD	Toda	TONTO	2
5		¥	2	9			8 VJ 8	BTU/ B	BTU/ R	9 10/	DE0. R	DEG. R
						•	FTESEC	FTESEC	FTZSEC	FTESEC	/SEC	
	9,0000	.53000	23.000	.2560-01	.2110-01	.2860-01	7416-03	.6119-03	.8294-03	0585	4.950	943.1
1 8	2.000	26700	8	10-0681	1960-01	.2120-01	5480-03	.4524-03	.6128-03	.3290	3.580	7:
2	2,5300	62000	25.00	1260-01	10-0-01	16-0151	.3642-03	. 3008-03	.4072-03	.2190	2.38g	0.030 0.030
2	2. JO00	67070	26.000	.6500-02	-00-05.	.7300-02	. 1895-03	.1566-03	.2118-03	03.1.	- 7. - 7.	539.6
2	2,0006	70500	27.000	S0-054.	3500-05	SO-007 4.	.1216-03	. 1005-03	. 1359-03	.7300-01	.7920	539.0
8	0000	75000	28.000	.1500-02	.1200-02	.1600-02	4502-04	3473-0	-669×-	10-0052	. 2790	537.9
, ,		BOOGO	20.00	1200-02	1000-05	1300-02	3354-04	.2772-04	3748-04	10-0002.	0*22.	538.2
1			900	1000-03	1000-03	2000-03	4149-05	3428-05	.4636-05	3000-05	.3500-01	538.4
1		90906	000	3720-03	3070-01	4170-01	1078-02	.6662-03	.1207-02	.6400	6.775	5.60.4
2		2000	000	3030-08	2500-01	3390-01	.8770-03	.7229-03	.9918-03	5220	5.832	547.2
1 8		5	13.000	10-082	10-0961	2660-01	.6882-03	.5676-03	.7701-03	0114.	4.598	9.0
1		9	000	18-0-01	1520-01	2060-01	5320-03	. 4389-03	.5951-03	.3180	3.813	543.7
?		00002	90	1810-01	1490-01	.2020-01	5231-03	.4317-03	.5851-03	.3130	3.882	542.9
1		00562	25.000	2960-01	2440-01	.3310-01	.8561-03	.7064-03	.9576-03	.5130	6.011	5,43.5
R S	2000	0000	200	-0-09 - 0-0	3020-01	4090-01	20-6501	.8737-03	.1185-02	.6330	7.346	9£4.3
8 8	9.600	2000		20-0795	2450-01	1320-01	.8602-03	.7098-03	.9622-03	.5150	6.041	3.53
R F		20001		DEST-1	2450-01	3:80-01	8240-03	.6800-03	.9215-03	0763	5.828	545.5
R 8			40.000	3.60-01	2850-03	3870-01	1002-02	.8262-03	.1120-02	.5990	7.0%	SEE. 3
2 8	0000	45000	41,000	25.00-01	120-01	.2880-01	.3447-03	.6147-03	.8328-03	.4470	5.110	542.1
, p	3.0000	17.00	42.000	.2380-01	10-0961	.2660-01	.6878-03	.5677-03	.7691-03	.4130	₹.603	ه. چ
8	3.0000	50000	43.000	1810-01	10-06-1	.2020-01	.5229-03	.4317-03	.5847-03	.3140	3.502	9. I.S
8	3.0000	.52500	14.000	10-0221.	10-0001.	10-09£1	.35-0-03	.2907-03	. 3935-03	.2120	2.491	0.00 0.00 0.00
R	3.0000	.55000	45.000	10-0501.	-8400-05	10-0411.	.2954-03	.2440-03	.3302-03	. 1780	986.	539.8
8	3.0000	.60000	€6.000	.6800-02	.5600-02	. 7600-52	. 1979-03	. 1635-03	.2211-03	0611.	1.301	538.7
8	3.0006	.65000	47.000	.4800-0 2	. 3900-02	.5300-02	. 1381-03	1141-03	. 1543-03	.8300-01	. 8870	1 38.5
g	3.0000	.70000	48.000	. 1900-02	. 1600-02	.2200-02	-5195	*0-1*9*.	.6273-04	3400-01	.3760	537.6
E	0000	75000	49.000	. 1100-02	.9000-03	. 1200-02	.3076-04	.2542-04	3437-04	10-0061.	.2030	537.7
g	3.0000	.80000	50.000	.7000-03	.6000-03	.8000-03	.2035-04	.1682-04	. 2274-04	. 1200-01	. 1320	538.2
, g	3. P000	. 85000	51.000	.8000-03	7000-03	.9000-03	₩ · 1823.	1884-04	-0-6452	1400-01	. 1710	539.2
ę	× 0000	67569	25.000	-1700-02	. 1400-02	. 1800-02	30-622	39-8-04	.5342-04	10-0062.	.3570	539.6
2 2	9000	00000	53.000	1500-02	. 1200-02	.1700-02	4370-94	₩0-609£ ·	*0-#B8*.	.2600-01	.3670	539.8
R	9000	900	000	1600-02	. 1300-02	. 1800-02	.4651-04	.3842-04	-519B-04	.2800-01	.3680	539.8
2 8	9000	00000	55,000	2000-05	2100-02	290(- 02	7459-04	.6161-04	.8337-04	.4500-01	.4560	539.7
R	9000	0000	71,000	3840-0	.3160-01	4313-01	.1113-02	.9161-03	.1247-02	.6570	7.477	551.8
,	9000	200	72.000	3100-01	10-0552	3470-01	.8980-03	.7398-03	.1006-02	.5330	6.233	548.7
3 8	9000	0000	74 000	2650-01	2200-01	2980-01	.7714-03	.6358-03	8634 03	.4590	5.377	546.8
R 2	2000	0056	900	3050-01	2520-01	3420-01	- 4468	.7290-03	.9899-03	.5260	6.507	546.8
2	9000	20002	26.000	3350-01	.2760-01	3740-01	.9687-	.7986-03	.1034-02	.5770	7.556	546.2
2		00562	57.000	3460-01	2850-01	3870-01	.1003-PZ	.8265-03	.1122-02	.5970	7.821	5.6.2
2		000	2000	2610-01	.2150-01	.2910-01	.7545-03	.6224-03	.8441-03	0154.	5.911	9£.3
2 2	9	00%	900	24.70-01	2040-01	.2770-01	.7162-03	.5910-03	.8011-03	.4290	5.626	543.0
R S								1	0 0 0		į	:
	**			10-024	1410-01	10-0161	5008-03	F 1 34-03	5599-03	3010	25.5	- -

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATE 07	27 73		OH-7% (AEDC	0H-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSFLAGE PORT	HEATING C	IATA ON ORB	IITER FUSEI		3015			PAGE	3
				OH-74 (AEDC	C V418-B8A	V418-BBA) BG2C12F10M16W127E52VBR19	OHI BHI 27E	52VBR19				(RVB003)	033
ACN NUMBER	TRACE	×	1/C ND	H/HREF R=0.9	H/HREF R=1.0	H/HREF R=TA':	H1910) 81U/ R	H(TO) 8TU/ R	BTU/ R	910/ 910/	OTHOT DEG. R	74 050	_
30	٠, 0000	. 45000	62.000	. P000-02	.6600-02	-0000-05	.2304-03	1003-03	.2575-03	1390	1.802	539.6	
R 8	4.0000	. 47500 00001	63.000	20-0049	5300-05	. 5500-02	1428-03	.1180-03	.1596-03	.8600-01	1.070	538.5	
n 0	4.3000	.52500	65.000	.4400-02	3600-05	-4900-05	.1264-03	.1044-03	.1412-03	.7600-01	.¥20	538.5	
8	4.0000	.55000	66.000	. 3400-0S	.2800-02	. 3900-02	-0-9866	.8252-04	. 1116-03	.6000-01	.7090	538.3	
38	4.0000	.60000	67.000	. 2000-05	-1700-02	20-7	.5865-04	\$0-0\$.	.6553-04	. 3500-01	0004.	557.5	
33	4.0000	.65000	68.000	.8000-03	.6000-03	.9-00-03 0-00-03	. 2233-04 101-101-	*0-9*81.	\$0-00 m	10-0041.	. 1390 0861 -	5.4.0	
8 8 8	4.0000	75000	69.000 20.000	5000-03	.4000-03	5000-03	1319-04	+0-0601.	.1473-04	8000-05	.8900-01	537.9	
9 50	4.0000	00000	75.000	.7000-03	.5000-03	.7000-03	. 1895-04	1586-04	.2118-04	1100-011.	. 1380	538.9	
8	4.0000	.85000	76.000	. 1900-02	.1600-02	.2100-02	.5456-04	.4510-04	·0-9609·	.3300-01	. 3920	537.5	
33	4.0000	.87500	77.300	.8000-03	.7000-03	,9000· 03	.2430-04	-S008-04	-2715-04	12-0051	. 1930	3 6	
33	۴.0000	00006.	78.000	. 1000-02	.8000-63	.1100-02	.2816-04	.2327-04	.3148-04	10-0041.	.2210	100	
33	۴.0000	.92500	79.000	. 2200-02	. 1800-02	.2400-0S	.6330-04	.5229-04	- 7074-04	. 3800-01	.4730	334.5	
36	4.0000	.35000	80.000	.2600-02·	.2100-05	. 2900 ·02	.7423-04	.6132-04	.8297-04	10-0054.	. מכי	224.	

21.000				OH-74 (AE	04-74 (AEDC V418-88A) 862C12F10M16H127E52V8R19	A) 862C12F	10M16W127E	52VBR19				(RVB003)
1000												
1	ORBITER FUSE, AGE							PARAM	PARAMETRIC DATA			
					BETA	- 2.000	MACH	6.000	ELEVON .	.0000	RUDDER .	0000
					****	***TEST CONDITIONS***	NS.					
2	MACH	ALPHA	8	01	Ē	AV.		• ;	0	> !	9	₹
NUMBER		DEG.	¥ ¥	DEG. R	020	DEG.	DEG. R	ž.	ž	F1/SEC	5500S /FT3	/FT2
8	7.980	29.83	419.2	1290.	-90.06	2.100	93.90	14-00-01	1.945	3789.	.3899-04	.7561-07
RUN	×	HAEF BTU/ R	STN NO									
S.	1.95¥	FT2SEC .3421-01	. 2897-01									
					•	**************************************	:					
Ş	TRACE	χν	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HCTAH)	D00	DTMDT	¥
NUMBER				R=0.9	R=1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
Š	0000	27500	0000	16-00-01	10-00-1	1880-01	5772-03	4774-03	6445-03	.3560	3.693	543.6
8 8	1.0000	30000	2.0000	1410-01	.1170-01	10-0851	.4834-03	.3999-03	.5397-03	.2990	3.170	£3.−
8	0000.1	.32500	3.0000	1330-01	.1100-01	1480-01	.4546-03	.3762-03	.5075-03	2810	2.830	E. 27.0
8 6	0000	35000	2.0000 0000	1410-01	9700-02	1580-01	.4025-03	.3330-03	50-6644.	06.4.	3.103 2.618	7 4.5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
8	0000.1	0000×.	6.0000	.1920-01	1590-01	10-0415.	.6567-03	.5432-03	.7332-03	.4060	4.167	543.2
S	1.0000	.42500	7.0000	10-0/61.	1630-01	.2200-01	.6750-03	.5583-03	.7538-03	.4160	4.316	544.0
8 8	1.0000	.45000	0000.6	2350-01	1950-01	2630-01	.7238-03	.5986-03	.8083-03	0484.	4.050 5.050	- m. 336
8	1.0000	. 50000	10.000	.2503-01	.2070-01	.2800-01	.8563-03	. 7082-03	.9564-03	.5280	5.345	344.5
20	1.0000	.52500	11.000	.3360-01	10-38/2	.3760-01	.1151-02	.9513-03	. 1286-02	.7080	7.158	546.2
S 1	1.0000	.55000	12.000	.3760-01	3110-01	10-0124	. 1288-02	1054-02	50-86-10	916/	7.936	ָּהָ הַיּ
2 6	1.0000	. 65000	14.000	3060-01	2530-01	3420-01	-10-6-02	.8647-03	.1168-02	6440	6.515	5.5.5
S	1.0000	.70000	15.000	.2570-01	.2120-01	10-0782	.8784-03	.7263-03	.9811-03	01 3 5.	5.285	545.0
ß	1.0000	.75000	16.000	. 1850-01	.1530-01	.2070-01	.6341-03	.5245-03	.7080-03	.3910	3.965	543.6
20	1.0000	. 30000	17.000	. 1290-01	10-0201	140-01	.4415-03	.3652-03	.4930-03	. 2 730	5.642	in i
8	2.0000	28500	000	10-0891.	10-0881.	10-0201	5583-03	1619-03	.6233-03	3450	4.072	945.6
3 2	2.0000	39000	20.000	.2810-01	.2320-01	3140-01	.9614-33	. 7950-03	.1074-02	. 5920	6.879	944.9
8	2.0000	. 42600	21.000	.3380-01	.2809-01	.3780-01	.1158-02	.9570-03	. 1294-02	.7120	8.334	546.4
S	2.0000	.47800	22.000	10-0415	4240-01	5740-01	.1758-02	1452-02	1965-02	- 077	07	2 0 1 2

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- 114

DATE 07	7 OCT 75		OH-74 (AED)	04-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT	HEATING C	ATA ON CRE	ITER FUSEL	AGE PORT S	\$10£			PAGE 254
				0H-74 (AEC	K W18-684	04-74 (AEDC V418-88A) 862C12F10M18W127E52V8R19	OMI OWI 27ES	ZVBR19				(RVB003)
3	TRA'E	χ/Ł	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAH)	1000	TONTO	7
NUMBER				R=0.9	R=1.0	R-TAW	BTU/ R	BTU/ R	BTU/ R	9 10/	DEG. R	DE0. R
,			•				FT2SEC	FTESEC	FTESEC	FT2SEC	335/ !	
8	2.C000	23000	23.000	10-0294	.3820-01	.5170-01	. 1583-02	30-80£1.	30-69-1	0079.	10.78	
8	2.0000	.58700		. 3230-01	.2670-01	.3510-01	.1106-02	. 9145-03	1236-02	0000	/86.7	
9	2. r.Jeg	10000		10-0261	10-0091.	10-0012.	20-002n	50-1015.	50-0/5/	305.	2 6	
ភ ទ	6. 5000 0000 0000	00079.	9.6	10-06-11	10-0000	10-0541	- 1000 P.	50-8505 ·	10-10-11			2,000
2 5	v.0000	00000	200.70	10-00-0	20-0080.	10-0201	20-41-03	2660-03	E0-2117	0861		
8 8			20.00	70-00-6	50-000	B100-02	2469-03	2044-03	P756-03	1530	1.690	* 3
8	2.0000	. 82400	30.000	1200-02	. 1000-02	1300-05	+0-090+	.3361-0	-4931-04	10-0052	35.0	9.0.6
S	3.0000	.20000	31.000	10-06×E.	.2880-01	.3900-03	.1192-02	.9837-03	. 1334-02	.7250	7.661	558.7
20	3.0000	.22500	32.000	.2990-01	.2470-01	.3340-01	. 1023-02	.0-440.	. 1144-02	.6250	6.974	550.2
50	3.0000	.25000	33.000	.2270-01	. 1880-01	.2540-01	.7780-03	.6430-03	. 8693-03	.4780	9. Y.O	546.5
ŝ	3.0000	.27500	₩. 000	. 1830-01	10-0151.	.2040-01	.6255-03	.5173-03	.6985-03	.3860	¥.621	.
20	3.0000	. 30000	35.000	1660-01	1370-01	. 1850-01	.5676-03	.4696-03	.6337-03	3510	F. 946	8. P. P.
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20	3.0000	.35000	37.000	.2520-01	.2080-01	.2810-01	.8621-03	.7130-03	.9628-03	.53.	6.172	0.730
50	3.0000	.37500	38.000	.3610-01	.2980-01	.4030-01	. 1233-02	. 1020-02	. 1378-02	75.90	8.698	uria.w
50	3.0000	40000	39.000	.4320-01	.3570-01	.4830-01	. 1478-02	. 1222-02	. 1651-02	0806.	10.70	546.L
50	3.0000	.42500	40.000	10-0644.	.3710-01	.5020-01	. 1535-02	. 1268-02	1716-02	80.	11.12	5.0
20	3.0000	.45000	41.000	.5200-01	10-0624.	.5910-01	. 1778-02	1469-02	. 1987-02	680.1		15.00 10.00
20	3.0000	.47500	42.000	.4300-01	.3550-01	10-0084	.1470-02	50-4151	. 1642-02	.9030	5.0	B. 9.
20	3.0000	. 20000	43.000	. 2930-01	. 2430-01	.3280-01	. 100402	.8391-03	1121-02	.6180	6.88	- c - c - c - c - c - c - c - c - c - c
20	3.0000	. 52500	44.000	10-0-61	1600-01	.2160-01	.6620-03	5476-03	.7391-03	0604.	7.80d	0.7.0 0.0.0
20	3.0000	.55000	45.000	1610-01	.1330-01	1800-01	.5565-03	.4555-03	.6147-03	3400	5.793	
20	3.0000	.60000	46.000	1080-01	50-0008.	1210-01	3700-03	. 5062-03	.4130-03	0634		7 -
0 G	3.0000	00009.	47.000	50-0069.	20-00-1	20-00//·	1846-03	- 125 L	1947-03		987. T	- 6
2	2.0000	0000	10.00	3800-02	3100-02	20-00-r	1300-03	1076-03	1450-03	.8100-01	.8780	9.0.10
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8	3.000	.85000	51.000	. 1500-02	. 1200-02	.1700-02	.5066-04	*0-261*.	.5656-0+	.3100-01	.3880	35. s
8	3.0000	.87501	52.000	.5900-02	.4800-02	.6500-02	.2005-03	. 1658-03	. 2239-03	. i 240	1.533	543.5
ŝ	3.0000	00006.	53.000	50-004h.	.3600-02	20-006h.	1499-03	1239-03	. 1674-03	0-00-6	1.287	n : 35
8	3.0000	.92500	. 500 14.	.6000-02	70-006h	.6700-08	. 2039-03	. 1686-03	.2277-03	. 1260	£ .	m : 5 70
ŝ	3.0000	.95000	33.000	.6100-02	S100-05	-0089°	.2097-03	1739-03	- 1-A-2-	062	1.311	0.00
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2	4.0000	. 22500	72.000	. 3250-01	.2680-01	.3630-01	-1111.	.9164-03	. 1243-02	. 6753	7.883	953.1
8	4.0000	.25000	73.000	.2530-01	.2090-01	.2830-01	. 8665-03	.7155-03	.9687-03	. 5300	6. 193	0.030 10.030
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8	4.0000	30000	26.000	.2150-01	1 780-01	- S+00-03	.7355-03	.6080-03	.82:7-03	550	5	9.0.0 0.0.0
8	₹.0000	, 32500	57.000	15-0515.	. 3420-01	.4630-0}	. 1416-02	-1170-02	. 1583-02	.8670	11.33	
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2	\$.0000	.37500	29.000	10-0514	3,20-01	.4630-01	1418-02	1111-02	-1585-05	9896	11.57	
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2	¢.0000	.42500	900.19	1790-01	. 1480-01	.2000-01	.6136-03	.5076-03	.6852-03	.3780		4 5. /

DATE 07 OCT	7 OCT 75		DH-74 (AEDC	V+18-884)		DATA ON OR	BITER FUSE	HEATING DATA ON ORBITER FUSELAGE PORT !	300			PAGE 255
				0+-74 (AE(34-74 (AEDC V418-88A)	N BESCIEF	Bercief Ionionipyedenig	Seven 9				(RVB003)
3	TRAIE	x/r	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	#170	HITAHI	500	TOTO	2
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2	4.3000	.52500	65.000	.5600-02	-4600-02	.6200-02	. 1899-03	. 1572-03	.2119-03	.1180	1.460	9.0.6
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ŝ	4.0000	.80000	75.000	.1100-02	.9000-03	. 1200-02	3774-0	.3125-04	.4515+.	.2300-01	.2830	9.0.0
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8	4.0000	.92500	79.000	-×100-05	. 3400-02	.4600-02	1409-03	.1166-03	. 1573-03	.8700-01	1.082	¥:.7
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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

### PO 10 PM 1900 1450-0	DATE 07 OCT 75	Ę	_	04-7" (AEDC VIIB-BBA) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	V418-88A1	HEATING D	DATA DN OR	BITER FUSEL	AGE PORT	305			PAGE 256
### PO TO PHI YAN T P P 0 CLEVON					0H-74 (AE	X V418-88	1) BB2C12F	IONIGHIETE:	ZVBR19				(RVB003)
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35000 4,0000 1800-01 1890-01 7010-01 6174-03 5109-03 6893-03 3880 37500 5,0000 2260-01 1870-01 2610-01 6416-03 6862-03 4790 37500 5,0000 2260-01 1870-01 2610-01 6466-03 6416-03 6862-03 4790 37500 6,0000 2260-01 1850-01 2710-01 1800-03 6618-03 6862-03 4950 37800 37800 6,0000 2260-01 2450-01 2710-01 1800-03 6518-03 6833-03 4950 37800 37800 6,0000 2260-01 2450-01 3310-01 1874-02 8634-03 1134-02 6440 37500 11.000 2440-01 2620-01 2730-01 1870-02 8634-03 1156-02 6440 37500 11.000 3550-01 2240-01 3750-01 1870-02 1820-02 1350-02 1350-02 125000 3750-01 2240-01 3750-01 1218-02 1824-03 1156-02 6350 65000 12.000 3550-01 2240-01 3750-01 1218-02 1824-03 1156-02 6350 65000 12.000 3550-01 2240-01 3750-01 1218-02 1824-03 1156-02 6350 65000 12.000 3550-01 2240-01 3750-01 1218-02 1824-03 1156-02 6350 65000 12.000 11300-01 3350-01 3800-02 1826-03 1156-02 6350 65000 12.000 17.000 11300-02 1800-02 1800-02 1800-02 1800-02 1800-02 1800-02 1800-02 1800-02 1800-01 1800-02 1800-02 1800-02 1800-01 1800-01 1800-01 1800-02 1800-01 1800-		• •	2500	3.0000	. 1260-01	10-0401.	1400-01	.4310-03	.3566-03	.4811-03	.2670	₹.3 1	542.7
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. \$5000	1.0		5200	11.000	.3550-01	10-0-63	3970-01	50-7151.	. 1006-02	1359-02	0007.	7.0% 7.0%	945
	5 6		5000	12.000	10-0555.	5-5-6-6	3360-01	1031-02	.8524-03	1152-02	.6350	6.431	545.5
70000 15.000 1130-01 9300-02 1260-01 3870-03 3203-03 4320-03 2400 75000 15.000 4700-02 3500-02 1625-03 1345-03 1814-03 1010 75000 16.000 4700-02 1300-02 1625-03 1345-03 1814-03 1010 8000 17.000 1600-02 1300-02 1500-02 5398-04 4469-04 5024-04 3400-01 28500 18.000 1800-01 1490-01 2010-01 5157-03 5100-03 6878-03 3800 33700 19.000 2170-01 1800-01 3100-01 7450-03 6161-03 820-03 4600 33700 20.000 2770-01 3100-01 12950-03 7861-03 1062-02 5960 7970 7950-03 1701-02 1170-02 17970 7970 7970	5 6		2000	14.000	3050-01	.2520-01	.¥13-01	.1046-02	.8646-03	.1168-02	.6450	6.525	5,5,5
. 75000 16.000 .4700-02 .3900-02 .1625-03 .1345-03 .1814-03 .1010 .80000 17.000 .1600-02 .1300-02 .1800-02 .5398-04 .4469-04 .6024-04 .3400-01 .28500 18.000 .1800-01 .1490-01 .2010-01 .6167-03 .5100-03 .6878-03 .3800 .33700 19.000 .2170-01 .1800-01 .2430-01 .7450-03 .6161-03 .8320-03 .4600 .39000 20.000 .2770-01 .2290-01 .3100-01 .1296-02 .1071-02 .1447-02 .7970 .42600 21.000 .3720-01 .3120-01 .1296-02 .1071-02 .1447-02 .7970			0000	15.000	1130-01	.9300-02	10-0921	.3870-03	. 3203-03	.4320-03	. 2400	P. 45	3.62.4
. 80000 17.000 . 1600-02 . 1300-02 . 5398-04 . 4469-04 . 5024-04 . 5400-01 . 52850 . 8.000 . 1800-01 . 1800-01 . 6010-01 . 6167-03 . 5100-03 . 6878-03 . 3800 . 33700 19.000 . 2170-01 . 1800-01 . 2430-01 . 7430-03 . 6161-03 . 6830-03 . 4600 . 3700 . 2770-01 . 2290-01 . 3100-01 . 9508-03 . 7861-03 . 1062-02 . 5980 . 39000 . 21.000 . 3700-01 . 3120-01 . 1296-02 . 1071-02 . 1447-02 . 7970 . 3700	1.0		5000	16.000	.4700-02	.3900-02	5300-05	. 1625-03	1345-03	. 1814-03	0101.	1.022	
. 28500 18.000 . 1800-01 . 1490-01 . 5010-01 . 5100-03 . 5010-03 . 5250-03 .	1.0		0070	17.000	. 1600-02	. 1300-02	. 1800-02	.5398-04	70-6975.	- 60.64 - 04	2900-00	00 A 3	- 1
.33700 19.000 .2170-01 .1800-01 .2750-03 .0160-03 .0161-03 .0250-03 .38000 .20.000 .2770-01 .3100-01 .9505-03 .7861-03 .1062-02 .5860 .42600 .21.000 .3780-01 .3120-01 .42600 .1071-02 .1071-02 .147-02 .7970	2.0		8200	18.000	1800-01	10-06-1	10-0105.	50-75157	50-0010.	50-0558	7,600	5.4.6	- TO 10
.35000 21.000 3.3780-01 3.3780-01 4.220-01 1.296-02 1.071-02 1.447-02 7.3780-01 4.000 4.220-01 1.000-02 4.2000 4.0	9.9	•	13700	19.000	10-0715.	10-0566	10-05 E	. 9505-03	.7861-03	. 1062-02	.5860	6,905	545.3
10-07-1	o o	•	3600	20.000 21.000	10-0/12.	3120-01	.4220-01	. 1296-02	.1071-02	1447-02	0797.	9.339	546.4
22.000 .3060-01 .2530-01 .3410-01 .1048-02 .6053-03 .1170-05	i d	•	45600 47800	22.000	.3060-01	.2530-01	3410-01	.1048-02	.8663-03	.1170-02	.6460	7.192	545.3

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DATE 07 OCT	7 TE		0H-7+ (AED	OH-74 (AEDC V418-88A)	HEATING	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	31TER FUSEI	LAGE PORT	SIDE			PAGE	%
				OH-74 (AE)	OC V418-B8	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	10M16W127E	52VBR19				(RVB003)	æ
RUN	TRAYE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	Н(10)	HITAH	TOOD	DTMDT	2	
NUMBER				R=0.9	R-1 .0	R-TAW	BTU/ R	BTU/ 2	BIU/ R	BTU/	DEG. 3	956. R	
ā	9.0000	.53000	23.000	16-0115	.2570-01	3+80-01	.1069-02	.8926-03	.1193-02	.6570	7.316	546.1	
ភ	2.0000	.56700	₹.000	10-0715.	. 1800-01	.2430-01	.7452-03	.6164-03	.8321-03	.4600	5.004	0.440	
3	2.r.300	.62000	25.000	.1470-61	. 1220-01	10-0591	.5055-03	.4183-03	.5643-03	.3130	3.404	542.7	
2 2	2.3000	.67000	26 .000	.6700-02	.5600-02	.7500-02	.2309-03	1911-03	.2577-03	.1430	1.559	3.	
ភ	2.0000	.70500	27.000	50-00th.	. 3900-02	5200-05	. 1607-03	.1331-03	. 1794-03	.1000+00	1.077	540.5	
51	2.0000	.75000	28.000	.2500-02	.2100-02	.2800-02	.3499-0 4	.7038-04	.9483-04	.5300-01	.5810	539.8	
5	2.0000	.80000	29.000	.2200-02	. 1800-02	.2400-02·	. 7478-04	.6192-04	.8345-04	10-0094	.5140	540.3	
2	2.0000	.82400	30.000	.5000-03	.4000-03	.6000-03	.1816-04	1504-04	.2027-04	10-0011	.1570	540.4	
2	3.0000	.20000	31.000	.3740-01	.3090-01	.4180-01	. 1282-02	.1058-02	. 1433-02	. 7830	8.271	551.3	
5	3.0000	. 22500	32.000	.3110-01	.2560-01	.3470-01	.1065-02	.8791-03	. 1190-02	.6510	7.264	550.5	
5	3.0000	.25000	33.000	.2390-01	1970-01	.2670-01	.9184-03	.6762-03	.9146-03	. 5030	5.615	547.9	
5	3.0000	.27500	₹.000	.1880-01	.1560-01	.2100-01	.6459-03	.5340-03	.7215-03	.3980	4.761	0.07 0.00	
2	3.0000	30000	35.000	1830-01	1510-01	. 2050-01	.6280-03	.5193-03	.7013-03	. 3880	£.79£	54.4.B	
ភ្	3.0000	.32500	36.000	.2980-01	. 2460-01	.3320-01	. 1020-02	.8432-03	.1139-02	. \$280	7.358	546.0	
5	3.0000	.35000	37.000	.3570-01	. 2950-01	.3990-01	. 1225-02	. 1013-02	. 1368-02	.7550	8.747	545.9	
5	3.0000	.37500	38.000	.2980-01	.2460-01	.3330-01	.)22-02	.8449-03	.1142-02	.6300	7.375	545.9	
51	3.0000	00004.	39.000	.2910-01	.2410-01	. 3260-01	.9991-03	.8263-03	.1116-02	.6170	7.266	544.7	
51	3.0000	.42500	40 .000	10-0004.	.3300-01	10-0244	.1370-02	. 132-02	. 1531 - 02	. 6420	9.968	547.0	
5	3.0000	.45000	41.000	.2900-01	.2400-01	.3240-01	.9946-03	.8225-03	.1111-02	.6140	7.006	545.0	
5	3.0000	.47500	¥2.000	.2910-01	.2410-01	. 3250-01	.9979-03	.8252-03	.1115-02	.6150	6.851	5,5,6	
51	3.0000	. 50000	٠3.000	.2200-01	. 1820-01	.2450-01	.7531-03	.6230-03	.8409-03	.4650	5.185	543.9	
5	3.0000	.52500	¥4 . 000	1390-01	1150-01	.1550-01	.4754-03	. 3935-03	.5307-03	. 2950	3.459	545.0	
5	3.0000	.55000	45.000	. 1130-01	. 9300-02	. 1267-01	. 38 5° 03	.3194-03	.4307-03	. 2390	2.671	3£1.	
5	3.0000	.60000	46 .000	. 7000-02	.5800-02	. 78 60-02	.2385-03	. 1975-03	.2662-03	. 1460	1.614	340.4	
2	3.0000	.65000	47.000	.5200-02	.4300-02	.5 8 00-02	. 1768-03	. 1464-03	. 1973-03	. 1100	1.170	539.7	
5	3.0000	.70000	₩8.000	.2300-02	1900-05	-2600-05	.8032-04	.6653-04	.8961-04	. 5000-01	. 5530	539.1	
51	3.0000	.75000	49.000	.2000-02	. 1600-02	50 00 55 .	.6726-04	.5571-04	. 7504-04	.4200-01	.4560	539.4	
21	3.0000	.60000	53.000	. I 300-02	. 1000-02	.1400-02	.4292-04	. 3554-04	¥0-684.	. 2700-01	. 2860	D. 0.	
21	3.0000	. 85000	51.000	.8000-03	. 6000 - 03	.8000-03	.2579-04	.2135-04	-0-649-	10-0091	0861	م ا	
ភ	3.0000	.87509	52.000	. 1600-02	. 1300-02	1800-05	.5411-04	+0-6/++·	*D-0*09.	3400-01	914	: i	
5	3.0000	.90000	53.000	. 1800-02	. 1500-02	-2000-02	.6056-04	5012-04	.6760-04	.3800-01	.5230		
21	3.0000	. 92500	000 · 3	20-00-05.	-2000-05	20-002-	*D-6118.	*D-CI/9.	*0-/cns.	10-0000	0000		
ភ	3.0000	.95000	55.000	3000-05	. 2500-02	.3300-02	. 1028-03	+0-60 58	.1148-03	.6400-01	. 646U	יייי פייי	
ឆ	₹.0000	.20000	71.000	. 3960-01	. 3270-01	.4430-01	. 1357-02	50-6111.	-1518-02	95.50	20.50	200	
2	4.0000	. 22500	72.000	.3180-01	.2620-01	. 3550-01	50-6801.	. B983-03	1218-02	.6630	, /40 0 00 0 00 0 00	ָ מַנְיּ מַנְיּ	
51	۴.0000	25000	73.000	.2800-01	.2310-01	.3130-31	.9584-03	.7914-03	-101.	.5860	6.852	550.3	
21	4· 0000	.27500	₹.000	.3100-01	.2550-01	3470-01	. 1063-02	.8776-03	- 1188-02	.6510	B. 030	3.64.6	
2	۴.0000	.30000	26.000	.3310-01	.2730-01	.3690-01	.1133-02	.9361-03	. 1275-02	. 6950	9.093	2.8	
15	4.0000	32500	57.000	.3640-01	.3000-01	.4060-01	. 1247-02	.1030-02	. 1393-02	.7640	9.991	548.9	
5	4.0000	. 35000	58.000	.2830-01	.2340-01	.3160-01	.9698-03	.8013-03	. 1084-02	. 5960	7.792	547.6	
5	۰۰.0000	.37500	29.000	.2970-01	.2460-01	.3320-01	-1019-02	.8426-03	. 1139-02	.6280	8.221	9.53.0	
2	4.0000	00004.	60.000	10-0661	10-0491	.2220-0:	.6815-03	.5637-03	.7610-03	.4210	5.515	344.3	
2	۴.0000	.42500	61.000	.1200-01	.9900-02	1340-01	.4118-03	.3408-03	.4598-03	255.	3. 345 3.	540.5	

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DA16 07 0CT	7 OCT 75		OH-74 (AEDC	DH-74 (AEDC V418-89A)	HEATING (HEATING DATA ON ORBITER FUSELAGE PORT	BITER FUSE		S10£			PAGE	9
				OH-74 (AE	34-74 (AEDC V418-88A) 862C12F10M16HIZTE52VBR19	V BB2C12F1	1342 MOH 1641 27E	SVBR18				(RVB003)	93
3	TRANE	x/k	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	Н(10)	H(TAN)	1000	DTMDT	7	
NUMBER				0.0±0	%-1 .0	R-TAM	81U/ R	BTU/ R	BTU/ R	atu,	DE0. A	DEG. R	
	4	000	6	0000	60 000	0000	772557	FTESEC	FTESEC	FIRSEC) SEC	0	
ñā	0000	00000	63.000	50-00-05	5000-05	7600-02	2334-03	1932-03	2605-03	1450	9.8	9	
ត	4, r.300	20000	64 .000	.5200-02	.4300-02	5800-02	.1782-03	.1475-03	.1988-03	9 ::	Ę.	\$ 0.0	
2	4.3000	. 52500	65.000	-0024	.3500-02	.4800-02	. 1464-03	.1212-03	. 1633-03	10-0016.	1.130	539.6	
2	4.0000	.55000	99.000	.3300-02	.2800-02	.3700-02	11:41-03	.9448	. 1273-03	.7100-01	.8340	539.6	
ñ	4.0000	.60000	67.000	. 1900-02	. 1600-02	.2200-02	·0199·	-S-80-04	.7378-04	. 4100-01	.4650	538.5	
ភ	4.0000	.65000	68 .000	.9000-03	.7000-03	.1000-02	.3068-04	.2542-04	. 3423-04	10-0061.	. 2250	538.7	
2	4.0000	.70000	69.000	. 1200-02	. 1000-02	. 1300-02	40-6804.	.3386-04	.4562-04	.2500-01	.2840	539.6	
ត	4.0000	.75000	70.000	.9000-03	.8000-03	. 1000-02	.3123-04	.2586-04	40-48K	1900-01	.2170	539.5	
ភ	4.0000	.80000	75.000	.6000-03	.5000-03	.7000-03	.2038-04	. 1687-04	.2274-04	1300-01	.1530	9±0.6	
ភ	4.0000	.85000	76.000	. 1900-02	.1500-02	.2100-02	.6404-04	.5304-04	.7146-04	10-0004.	.4730	539.7	
2	۴.0000	.87500	77.000	. 1200-02	. 1000-02	. 1300-02	4004-04	.3315-04	+0-69+4 .	.2500-01	. 3260	 	
2	¥.0000	00006	78.000	.9000-03	.8000-03	.1000-02	.3166-04	.2621-04	.3534-04	.2000-01	. 2550	£₹	
ŝ	٠, 0000	.92500	79.000	.1700-02	.1400-02	. 1900-02	.5988-04	40-956×.	.6683-04	.3700-01	.4600	<u></u>	
51	٠, 0000	.95000	80.000	.3100-02	.2000-02·	.3500-02	. 1060-03	·8774-04	. 1184-03	10-0099	0177.	542.5	

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Page Page	DATE	DATE 07 0C1 75		0H-74 (AED	CH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELADE PORT SIDE	HEATING	DATA GN GR	BITER FUSE	LAGE PORT	3106			PAGE 239
## PARAMETRIC DATA ## PAR					OH-74 (AE	00 W18-98	3A) BG2C12F	10M16M127E	:52VBR19				(RVB003)
##CH ALPMA PO 10 PHI 7MA T R P 0 C T V P91A F T VEC SUBSTANCE STAND BY T T SOURCE STAND BY T T T SOURCE STAND BY T T T SOURCE STAND BY T T T T T T T T T T T T T T T T T T	0481 TE	R FUSEL AGE							PARAH	ETRIC DATA			
TABLE NATION 19.81 946.5 1309. 188.6 2.000 95.30 1700-01 2.538 3817. 5000-04 19.81 946.5 1309. 188.6 2.000 95.30 1700-01 2.538 3817. 5000-04 1713 THACE X/L 1/C NO HAMPE NAME NAME NAME NAME NAME NAME NAME NAM						BETA	•			ELEVON		RUDOER	
MACH ALPHA PO						•••165	37 COND1710	•••SN					
7.980 19.81 546.5 1309168.6 2.000 99.30 5700-01 2.536 3817. 3008-09. XIO 6 19.41 546.5 1309168.6 2.000 99.30 5700-01 2.536 3817. 3008-09. XIO 6 10.000 2.000 1.560-01 1.360-01	P. S. S. S. S. S. S. S. S. S. S. S. S. S.		ALPHA	2 2	10 0	¥ 8	YAN	o 1	a 8	0 8	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Q d	35°G
### ### ##############################	<u>60</u>		19.81	9.05 8.05	1309.	-168.6	2.000	95.30	.5700-01	2.536	3817.	/FT3	7FT2 .7672-07
**************************************	\$		HREF	STN NO									
TRACE X/L T/C NO H/FMEF H/FMEF H1910) H110) H11AHI GOOT DTHAT TH FEET H1910 H110 H11AHI GOOT DTHAT TH FEET H1910 H110 H11AHI GOOT DTHAT TH FEET H1910 H110 H11AHI GOOT DTHAT TH FEET H1910 H110 H11AHI GOOT DTHAT TH FEET H1910 H110 H11AHI GOOT DTHAT TH FEET H1910 H110 H11AHI GOOT DTHAT TH FEET H1910 H110 H11AHI GOOT DTHAT TH FEET H1910 H110 H11AHI GOOT DTHAT TH FEET H1910 H110 H11AHI GOOT DTHAT TH FEET H1910 H11AHI GOOT TH FEET H1910 H11AHI GOOT TH FEET H1910 H11AHI GOOT TH FEET H1910 H11AHI GOOT TH FEET H1910 H11AHI GOOT TH FEET H1910 H11AHI GOOT TH FEET H1910	NUMBER		BTU/ R FT2SEC	.0. 27.10.								٠.	
TRACE X/L T/C NO H/HREF H/HREF H(810) H(10) H(17M) DDOT DTNDT TH H(17M)	202	2.435	.3916-01	.2560-01			٠						
TRACE X/L T/C NO H/HREF H/HRE						•	TEST DATA	:					
Fig. 2000 Fig. 2000 Fig. 0 Fig.	\$	TRACE	x,r	1/C NO	H/HREF	H/HREF	H/HREF	H(9T0)	нс 10)	HCTAH	1000	DTADT	ī
1,0000 27500 1,0000 1,	NUMBER				R=0.9	R=1.0	R-TAH	BTU/ R	81U/ R	BTU/ R	970/	DEG. R	
1,0000 27500 1,0000 1,1500-01 1,1840-01 2,4446-03 4,5348-03 4,719-03 3,4050 1,0000 1,10000 1,1140-01 1,1120-01 1,4446-03 4,5349-03 1,195-03 3,4050 1,593-03 1,195-03								FTZSEC	FTPSEC	FTZSEC	FT2SEC	3357	1
1.0000 35500 4.0000 1140-01 9400-02 1270-01 44460-03 35695-03 4975-03 28810 2.8813 1.0000 35500 4.0000 1.1140-01 9400-02 1270-01 4460-03 35695-03 4975-03 28820 2.817 1.0000 35500 4.0000 1.080-01 1000-02 1210-01 4960-03 3598-03 4975-03 28820 2.819 1.0000 1.0000 4.0000 5.0000 1.1870-01 1.1950-01 1.4960-03 3.598-03 3.930 3.330 3.282 1.0000 4.0000 1.1870-01 1.1950-01 1.4960-01 5047-03 4113-03 5537-03 3.1940 3.302 1.0000 4.0000 1.1950-01 1.1950-01 1.9960-01 4.499-03 6658-03 3.930 3.509 1.0000 1.1950-01 1.1950-01 1.9960-01 5667-03 5689-03 3.930 3.509 1.0000 1.1950-01 1.1950-0	<u> </u>	0000	00575.	2.0000	1350-01	10-0951	10-0461	5282-03	50-855C	5893-03	.3330	3.530	5.7.5 5.7.2
1.0000 35500 4.0000 1.190-01 9900-02 1.210-01 4246-03 3518-03 4736-03 2699 2.819 1.0000 37500 5.0000 1.080-01 1.050-01 1.4246-03 3518-03 4736-03 2699 2.819 1.0000 4.0000 6.0000 1.270-01 1.050-01 1.94246-03 4113-03 3557-03 3140 3.222 1.0000 4.0000 6.0000 1.270-01 1.050-01 1.94246-03 4113-03 35530-03 3140 3.222 1.0000 4.0000 6.0000 1.250-01 1.1050-01 1.94246-03 4113-03 35530-03 3190 3.302 1.0000 1.0000 1.150-01 1.150-01 1.9424-03 4113-03 35530-03 3190 3.302 1.0000 5.0000 1.1000 1.150-01 1.150-01 1.9424-03 6058-03 41340 4.409 1.0000 5.0000 1.1000 1.150-01 1.150-01 1.9424-03 5685-03 41340 4.409 1.0000 5.0000 1.1000 1.150-01 1.150-01 1.9424-03 5685-03 41340 4.409 1.0000 5.0000 1.1000 1.150-01 1.150-01 1.9424-03 5685-03 41340 4.409 1.0000 5.0000 1.1000 1.150-01 1.150-01 1.107-02 1.107-02 1.153-03 4153-03 4.500 1.0000 6.0000 1.1000 1.150-01 1.150-01 1.107-02 1.107-02 1.153-03 4.500 1.0000 7.0000 1.1000 1.150-01 1.150-01 1.107-02 1.107-03 1.153-03 4.500 1.0000 1.0000 1.1000 1.150-01 1.150-01 1.107-02 1.107-03 1.153-03 1.1	109	1.0000	32500	3.0000	1140-01	-00-05	.1270-01	.4448-03	.3685-03	.4962-03	.2810	2.883	546.2
1.0000 37500 5.0000 1.080-01 9000-02 1210-01 4246-03 3518-03 4736-03 2690 2.8119 1.0000 40000 6.0000 1.270-01 1.050-01 1.440-01 5047-03 4113-03 5537-03 3140 3.322 1.0000 40000 6.0000 1.290-01 1.050-01 1.950-01 5947-03 4113-03 5537-03 3140 3.3302 1.0000 47500 9.0000 1.750-01 1.150-01 1.550-01 5968-03 5688-03 3430 4.409 1.0000 47500 9.0000 1.750-01 1.950-01 6868-03 5688-03 3430 4.409 1.0000 50000 1.0000 2.0660-01 1.700-01 2290-01 6868-03 5688-03 3430 4.409 1.0000 50000 1.0000 2.0660-01 1.700-01 2290-01 6808-03 1.988-03 3430 4.409 1.0000 50000 1.0000 2.0660-01 1.700-01 2290-01 6808-03 3588-03 3430 4.409 1.0000 55000 12.000 2.0000 1.150-01 2.100-01 2.100-01 2.100-01 2.10000 2.0000 1.0000 7.0000 13.000 2.330-01 1.980-01 1.000-02 1.059-03 1.998-03 3.560-03 1.998-03 1.0000 1.0000 7.0000 13.000 2.330-01 3.220-01 1.980-02 1.0598-03 3.998-03 3.500 2.0000 1.0000 10 00 00 12.000 13.0	502	1.0000	.35000	4.0000	1140-01	-00-05	.1270-01	.4460-03	.3695-03	.4975-03	.2820	2.917	546.2
1,0000	<u>.</u>	0000.1	.37500	5.0000	1080-01	-0006.	1210-01	.4246-03	.3518-03	.4736-03	2690	2.819	045.7
1,0000 4,5000 9,0000 1,750-01 1,150-01 1,960-01 6,865-03 6,867-03 7,658-03 7,3430 3,504 1,0000 1,475-01 1,0000	601	1.0000	0000	7.0000	1290-01	.1070-01	1440-01	.5047-03	.4181-03	.5630-03	3190	3.302	546.1
1,0000 4,7500 9,0000 1,750-01 1,950-01 1,960-01 6,865-03 5,687-03 7,658-03 4,340 4,409 1,0000 5,000 1,0000	601	1.0000	. 45000	0.000	1390-01	.1150-01	.1550-01	.5431-03	.4499-03	.6058-03	.3430	3.504	546.1
1,0000	601	1.0000	.47500	9.0000	10-0541.	1450-01	1960-01	.6865-03	.5687-03	.7658-03	.4340	604.4	546.1
1,0000	601	1.0000	. 50009	10.000	.2060-01	10-0041.	.2290-01	.8055-03	.6673-03	.8986-03	.5090	J. 148	9±6.3
1,0000	109	1.0000	. 52500	11.000	10-0161.	10-0951	.2130-01	.7475-03	.6192-03	.8339-03	.4720	4.778	5,6.2
1.0000	2 3	1.0000	.55000	12.000	. 1830-01	15-0151.	.2040-01	.7152-03	.5925-03	7977-03	0564.	4.557	940.u
1.0000 70000 15.000 13300-01 3710-01 1503-02 1078-02 1454-02 8190 7.983 1.0000 7.0000 15.000 13300-01 3210-01 420-01 1517-02 1255-02 1693-02 9530 9.628 1.0000 17.0	<u> </u>	0000	65000	14.000	2830-01	2340-01	3160-01	1107-02	.9167-03	. 1235-02	0869	7.050	548.0
1.0000 .75000 16.000 .3870-01 .3210-01 .4320-01 .1517-02 .1255-02 .1693-02 .9530 9.628 1.0000 .80000 17.000 .5330-01 .4400-01 .5950-01 .2086-02 .1725-02 .2330-02 1.303 12.56 2.0000 .26500 18.000 .1470-01 .1220-01 .1640-01 .5756-03 .4755-03 .64:3-03 .3520 4.241 2.0000 .33700 19.000 .1470-01 .1060-01 .1430-01 .5020-03 .4158-03 .5602-03 .3170 3.727 2.0000 .39000 20.000 .1480-01 .1230-01 .1650-01 .5802-03 .6405-03 .3800 4.549	69	1.0000	.70000	15.000	.3330-01	.2750-01	.3710-01	. 1303-02	.1078-02	.1454-02	.8190	7.983	5,645
1,0000 .80000 17,000 .5330-01 .4400-01 .5950-01 .2086-02 .1725-02 .2330-02 1.303 12.56 2.0000 .28500 18.000 .1470-01 .1220-01 .1640-01 .5756-03 .4765-03 .64:3-03 .3620 4.241 2.0000 .33700 19.000 .1470-01 .1060-01 .1430-01 .5020-03 .4158-03 .5602-03 .3170 3.727 2.0000 .39000 20.000 .1480-01 .1230-01 .1850-01 .5802-03 .4806-03 .6472-03 .3800 4.549 2.0000 .42600 .1570-01 .1300-01 .1550-01 .6153-03 .5096-03 .6865-03 .3800 4.549	601	1.0000	.75000	16.000	.3870-01	.3210-01	.4320-01	.1517-02	. 1255-02	. 1693-02	.9530	9.628	549.5
2,0000 .28500 18,000 .1470-01 .1220-01 .1540-01 .5756-03 .4765-03 .6473-03 .3620 4.241 2,0000 .33700 19,000 .1280-01 .1060-01 .1930-01 .5020-03 .4158-03 .5602-03 .3170 3,727 2,0000 .39000 20,000 .11800-01 .1230-01 .1850-01 .5802-03 .6865-03 .3800 4.549 2,0000 .42600 21,000 .1570-01 .1300-01 .1750-01 .6153-03 .5096-03 .6865-03 .3800 4.549	109	1.0000	.80000	17.000	.5330-01	.4400-01	. 5950-01	.2086-02	1725-02	.2330-02	1.303	12.56	553.5
2.0000 .33700 19.000 .1280-01 .1060-01 .1930-01 .5020-03 .4158-03 .5602-03 .3170 3.727 2.0000 .39000 20.000 .1980-01 .1230-01 .1550-01 .5802-03 .4806-03 .6472-03 .3800 4.315 2.0000 .42600 21.000 .1570-01 .1300-01 .1750-01 .6153-03 .5096-03 .6865-03 .3800 4.549	109	2.0000	.28500	18.000	. 1470-01	. 1220-01	1640-01	.5756-03	.4765-03	.64?3-03	. 3620	٠ ا	548.4
2.0000 .39000 20.000 .1480-01 .1230-01 .5602-03 .4806-03 .6472-03 .3670 4.315 2.0000 .42600 21.000 .1570-01 .1300-01 .1750-01 .6153-03 .5096-03 .6865-03 .3800 4.549	<u>.</u>	2.0000	.33700	19.000	. 1280-01	. 1060-01	.1430-01	. 5020-03	.4158-03	.5602-03	.3170	3.727	547.8
842.4 UBBC, 50-6880. 50-8800. 50-8618. 10-0671. 10-0611. 10-0611. 10-0619. 0001.5	60	2.0000	39000	20.000	. 1480-01	. 1230-01	. 1650-01	.5802-03	.4806-03	.6472-03	.3670	4.315	346.4
	<u>5</u>	€.0000	.42600	21.000	. 1570-01	1300-01	. 1750-01	.6153-03	.5096-03	.6865-03	. 3880	4.549	9.00

O

1-12-5

DATE 07 OCT	7 001 75		OH-74 (AED)	0H-74 (AEDC V41B-88A).	HEATING (DATA ON OPE	HEATING DATA ON OPBITER FUSELAGE PORT	AOE PORT S	3015			PA0E 260
				OH-74 (AE)	OC V*18-88/	A) BGZC12F1	04-74 (AEDC V418-88A) 862C12F10H164127E52V8R19	EV8R19				(RVB003)
i	9	3	5,7	H/HBEE	H/HREE	H/HREF	H(910)	HC 10)	HC) AND	200	DTHDT	Ŧ
N PEER	<u> </u>	į))	R=0.9		R-TAW	BTU/ R	BTU/ R	8TU/ R	B TU/	DEG. R	0£0. R
							FT2SEC	FTZSEC	FTESEC	FTESEC	7550	
601	2.0000 2	.53000	23.000	.2560-01	.2120-01	.2850-01	-1001-	.8288-03	-1117-02	.6300	7.007	
601	2.0000	.56700	24. 000	.3020-01	.2500-01	.3370-01	1184-02	.9799-03	1321-02	5.5	8.078	7.2
109	2. r.300	.62000	25.900	10-0404	.3350-01	10-0157	. 1583-02	1310-02	. 1767-02	0766	10.77	300.4
109	2. J000	.67000	26.000	.6000-01	10-0964.	.6700-01	. 2348-02	. 1941-02	. 2622-02	1.488	15.88	553.0
601	2.0000	.70500	27.000	10-051	. 5650-01	.7640-01	.2676-02	. 22 I 2-02	.2990-02	1.667	17.85	- 220
109	2.0000	.75000	20.000	10-0164.	.4060-01	5480-01	. 1922-02	. 1590-02	.2148-02	1,206	13.19	550.7
601	2.0000	80000	29.000	10-0148.	.2020-01	.2720-01	.9556-03	.7911-03	. 1067-02	.6250	6.620	548.6
601	2.0000	.82400	30.000	1100-011	.9100-02	10-0221.	.4295-03	.3556-03	.475c-us	.2710	3.763	3.7.6
601	3.0000	.20000	31.000	.3360-01	.2780-01	.3760-01	-1317-02	. 1089-02	-1471-02	.8230	8.685	553.5
601	3.0000	.22500	32.000	10-0625.	.2150-01	. 2900-01	. 1016-02	. 8399-03	. 1135-02	.6350	7.076	553.0
501	3.0000	.25000	33.000	10-0861	10-0-01	.2210-01	. 7738-03	.6+03-03	.86+0-03	. 486 0	. t.	920 · e
8	3.0000	.27500	₩.000	. 1530-01	. 1270-01	10-0171.	. 5992-03	.4960-03	.8688-03	.3770	£. 505	9.0
8	3.0000	30000	35.000	1330-01	1100-01	10-0841.	.5192-03	.4299-03	.5794-03	3270	2.	47.7
50	3.0000	32500	36.000	1350-01	.1120-01	1510-01	. 5290-03	.4380-03	. 5903-03	.3340	3.904	0.47.6
8	3.0000	35000	37.000	. 1520-01	. 1260-01	10-001.	. 5957-03	.4933-03	.6646-03	.3760	ŧņ.	547.1
50	3.0000	37500	38.000	1510-01	. 1250-01	. 1690-01	.5919-03	.4902-03	.6603-03	.3740	4.374	5.6.9
50	3.0000	40000	39.000	10-0861	.1640-01	.2210-01	.7758-03	.6426-03	.8656-03	006h.	5.766	7.0.7
601	3.0000	.42500	40.000	.2690-01	. 2230-01	.3000-01	. 1053-02	.8718-03	.1175-02	.6630	7.832	0.00 i
601	3.0000	.45000	41.000	.2870-01	.2380-01	.3200-01	.1123-02	.9301-03	. 1253-02	.7080	8.07¢	947.8
601	3.0000	.47500	42.000	.2870-01	. 2380-01	. 3200-01	.1124-02	.9303-03	.1254-02	.7080	7.865	٠. پورون پورون
109	3.0000	.50000	43.000	.3360-01	. 2780-01	.3750-01	.1316-02	. 1089-02	. 1469-02	.8270	9.191	# 0 i
601	3.0000	.52500	44.000	.3930-01	. 3260-01	.4390-01	. 1540-02	. 1275-02	.1719-02	966	3.1.	3.63.6
60	3.0000	.55000	45.000	.5000-01	.4140-01	.5590-01	. 1959-02	.1620-02	.2188-02	1.227	13.62	<u>8</u>
109	3.0000	.60000	₩6.000	.8150-01	10-0469.	.9110-01	.3193-02	.2638-02	. 3568-02	1.987	21.47	555.6
601	3.0000	.65000	47.000	10-0464.	.4080-01	.5510-01	. 1932-02	. 1599-02	.2157-02	1.213	12.82	6.000
601	3.0000	.70000	48.000	.2350-01	10-0561.	.2630-01	.9218-03	.7635-03	. 1028-02	. 5820	804.9	9.46.9
601	3.0000	.75000	49.000	1540-01	. 1280-01	.1720-01	.6049-03	.5012-03	.6748-03	.3830	153	ָבָרָה נָ פַרָּה נָ
109	3.0000	. 80000	50.000	10-0621.	10-0/01.	1440-01	.5045-03	.4180-03	. 5628-03	.3190	5.413	ָ הַּיִּ הַ
109	3.0000	.85000	51.000	10-0/21.	. 1050-01	.1420-01	.4975-03	.4120-03	. 5550-03	3140	3.879	7.75
109	3.0000	.87501	52.000	.4130-01	.3420-01	.461 J-01	618-02	. 1337-02	. 1807-02	0.01	16.44	0.77
601	3.0000	00006	53.000	.2010-01	.1660-01	.2240-01	.7852-03	.6495-03	.8768-03	1920	6.863	551.5
601	3.0000	.92500	₹.000	10-0891	. 1390-01	. 1880-01	.6598-03	.5460-03	. 7365-03	0.00	0.410	- 600
109	3,0000	. 95000	55.000	. 1960-01	. 1620-01	.2190-01	.7665-03	.6345-03	.8556-03	. 4B20	. 50g	7.64.0
60	4.0000	. 20000	71.000	10-0624	.3620-01	10-0064.	.1718-02	. 1418-02	. 1920-02	1.064	12.05	7.00
109	۴.0000	. 22500	72.000	.3060-01	. 2530-01	.3420-01	. 1198-02	.9902-03	.1339-02	7460	B. 703	900.0
601	4.0000	25000	73.000	.2230-01	10-0581.	.2490-01	.8742-03	. 7229-03	.9764-03	5470	6.380	6. A
109	4.0000	.27500	7₹.000	1840-01	. 1520-01	.2050-01	.7196-03	. 5953-03	.8035-03	0164	9	501.5
601	4.0000	30000	26.000	.1630-01	. 1350-01	. 1620-01	.6388-03	.5287-03	.7130-03	. 4020		ָּהָינָ הַיּהָינָ
601	. 0000	.32500	57.000	.1670-01	1380-01	. 1860-01	.6532-03	.5±06-03	.7290-03	<u> </u>	5.370	i
60	4.0000	35000	59.000	.2460-01	10-0402.	10-0575	.9639-03	. 7977-03	. 1076-02	.6060	7.915	- i
601	4.0000	.37500	59.000	. 3520-01	.2910-01	.3930-01	.1377-02	. 1139-02	. 1538-02	DE 98	11.27	- · ·
601	4.0000	40000°	60.000	.4720-01	. 3900-01	.5270-01	. i 6'48-02	. 1528-02	- 50e.	25	15.07	353.6
60	4.0000	.42500	61.000	.5730-01	.4730-01	10-00-5	.2243-02	. 1854-02	.2505-02	<u>.</u>	18.26	553.7

DATE 0	DATE 07 OCT 75		0H-74 (A£D	OH-74 (AEDC V418-88A)	HEATING	DATA ON OR	HEATING DATA ON ORBITER FUSELAGE PORT	LAGE PORT :	SIDE			PAGE 261
				OH-74 (AE)	DC V418-88	A) BB2C12F	04-74 (AEDC V418-88A) 862CIZF10M1GHIZ7E5ZVBR19	52V8R19				(RVB003)
\$	TRAIE	хĸ	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H 70	H(TAH)	1000	DTMOT	3
NUMBER				R=0.9	R-1.0	R-TAH	BTU/ R	BTU/ R	81U/ R	NTO/	DEG. R	DE0. R
							FTPSEC	FT2SEC	FT2SEC	FT2SEC	235/	
5 01	₩.0000	. 45000	62.000	.7620-01	.6290-01	.8520-01	. 2983-02	. 2464-02	.3335-02	1.852	23.83	557.2
601	0 000∵	.47500	63.000	.8580-01	10-0707.	10-0096	.3360-02	50-0775.	.3760-02	2.066	26.05	563.2
109	4.0300	. 50000	64.000	.6760-01	.5580-01	.7550-01	.2645-02	.2184-02	.2957-02	1.641	20.17	557.7
<u>6</u>	4.3000	. 52500	65.000	10-0074.	.3880-01	19-0525.	. 1839-02	. 1520-02	.2054-02	1.150	14.17	555.8
60	۴.0000	.55000	66.000	.3110-01	.2570-01	.3470-01	. 1217-02	. 1007-02	. 1358-02	.7660	8.967	548.2
109	₹.0000	.60000	67.000	. 1800-01	10-0541.	.2000-01	.7033-03	.5827-03	.7845-03	.4450	5.004	545.4
501	₹.0000	.65000	69.000	. 1350-01	, 1120-01	1510-01	.5296-03	.4388-03	.5906-03	.3350	3.930	544.9
109	4.0000	. 70000	69.000	.9800-02	.8100-02	10-0601.	.3839-03	.3182-03	.4282-03	.2430	2.708	544.6
109	4.0000	. 75000	70.000	-8900-05	.7300-02	.9900-02	.3467-03	.2874-03	.3867-03	.2200	2.448	544.3
109	4.0000	.80000	75.000	.3800-02	.3100-02	.4200-02	.1480-03	. 1227-03	.1650-03	10-00+6.	1.131	543.8
109	. 0000	.85000	76.000	.4100-02	.3400-02	.4600-02	.1620-03	.1343-03	.1806-03	.1030	1.219	543.3
109	4.0000	.87500	77.000	-5400-05	.4500-02	.6000-02	.2105-03	.1745-03	.2349-03	.1330	1.747	544.8
109	4.0000	00006	78 no	.1370-01	10-0411.	.1530-01	.5367-03	.4445-03	.5988-03	.3390	4.381	97.0
50	. 0000	. 92500	79.000	10-0691.	.1570-01	.2110-01	.7412-03	.6136-03	.8272-03	.4660	5.759	548.8
<u>8</u>	٠.0000	.95000	80.000	.7100-02	.5900-02	-8000-05	.2796-03	.2317-03	.3120-03	0771.	2.069	546.2

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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATE O	DATE 07 OCT 75		OH-74 (AED)	04-74 (AEDC V418-88A) HEATING DATA ON OMBITER FUSELAGE PORT SIDE	HEATING	DATA ON OR	BITER FUSE	LAGE PORT	3018			PAGE 262	
				34) AT-HO	CH-7% (AEDC VVIB-88A) BG2CI2F10MIGMI27E32V9R19	A) 862C12F	10MIGHIETE	52VBR19				(RVB003)	
ORB 1 TEK	ORBITER FUSE, AGE							PARAM	PARAMETRIC DATA				
					BETA	- 2.000	MACH	· 6.000	ELEVOR .	0000	RUDDER .	0000	
					165	***TEST CONDITIONS***	9						
RUN	MCH	ALPHA DEG.	PSIA	70 DEG. R	PH:	7.VE	→ 3€6. R	P Si	a Š	V F1/5EC	SP00	235-81 OH	
110	7.980	29.63	947.0	1310.	-90.00	2.000	95.40	.5700-01	2.538	3619.	.5010-04	.7678-07	
RUN	FBUL X10 6	HAEF BTU/ R	STN NO										
011	. .	10-0-0K	10-0952										
					•	***TEST DATA***	:						
3	TRACE	χ⁄ι	1/C ND	H/HREF	HVHEF	H/HREF	H(9T0)	H(TO)	H(TAH)	2000	TONTO	7	
NUMBER				R=0.9	R-1.0	R-TAN	BTU/ R	BTU/ A	BTU/ R	8 70/	DEG. R	DEG. R	
							FT2SEC	FTZSEC	FT2SEC	FTZSEC)35/		
2	1.0000	27500	1.0000	1600-01	1320-01	1780-01	6264-03	.5187-03	.6989-03	3950	4.08B	9.7.0	
2 5	996	998. 2008.	2.0000 4.0000	10-03-1	10-0611	10-0191	5176-03	4673-03 4288-03	5775-03	0.25 0.25	3.772	946.7	
: :	. 0000	32000	4.0000	14-00-01	.1230-01	1650-01	.5805-03	-4808-03	.6477-03	3670	3.793	2.7.5	
<u> </u>	1.000	.37500	5.0000	.1310-01	10-3601	1460-01	.5145-03	.4262-03	5740-03	.3250	3.415	546.6	
2 5	0000	900,	6.0000 7.0000	10-0804	1750-01	2350-01	.8288-03	.6962-03	9096-03	.5150 5230	5.277 5.405	U-7-7.	
9 -	1.0000	.45000	8.0000	.2330-01	1930-01	.2600-01	.9118-03	7549-03	1018-02	.5750	5.860	548.7	
911	1.0000	.*7500	9.0000	.2090-01	1730-01	.2330-01	.8170-03	.6765-03	.9116-03	.5150	5.232	948.1	
<u>.</u>	1.0000	.50003	900.00	2310-01	1910-016	25.70-01.	.9035-03	. 7481-03	-1008-02	.5700	5.759 7.656	7. 0. 0. d. d. d. d. d. d. d. d. d. d. d. d. d.	
2 2	0000	00000	12.000	3270-01	10-0075.	3650-01	. 1280-02	1059-02	1428-02	. 8060	8.069	5.0.1	
9.	1.0000	.60000	13.000	.5280-01	.4360-01	.5900-01	.2067-02	.1709-02	.2310-02	1.33	13.00	55.7	
0.	1.0000	.65000	1.000	10-0144.	.3650-01	.4923-01	50-7571.	. 1428-02	. 1928-02	1.082	10.92	552.1	
<u>0</u>	1.0000	70000	15.000	.33-0-01	.2760-01	3730-01	. 1 309-02	. 1083-02	1462-02	.8210	7.987	552.2	
<u> </u>	1.0000	75000	16.000	10-0952	.2120-01	.2860-01	.1005-02	.8312-03	1121-02	.6310	6.371	330.6	
9 9	0000 0000		18,000	1700-01	0-001	1909-01	. 7551-05	20-9200	.0-cs.s.	. 4200	.907	7.69.1	
=	2.0000	33700	19.000	1630-01	1350-01	. 1820-01	.6403-03	.5302-03	.7145-03	0404	£.3	947.9	
2	2.0000	.39000	20.000	.2790-01	.2310-01	.3120-01	. 1095-02	.9063-03	. 1222-02	.6900	8.107	5.6.1	
2 :	2.0000	42600	21.000 25.000	.3380-01	.2800-0:	3780-01	50-5251.	20-96-05	50-6741.	. 8320	9.720	55.0	
2	255.4	3	125.VI		. 2000		5 77.	5 - 7.	\$ 15 m.	3	5		

0

(1)

DATE 07	DATE 67 OCT 75		OH-74 (AEDO	04-74 (AEDC V418-88A)	HEATING C	ATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	ACE PORT S	301			PAGE 263
				OH-74 (AE	X V*18-86	1. BBSC12F1	04-74 (AEGC V418-88A) 862C12F10M16W127E52VBR19	EVBR19				(RVB003)
2	TDALT	X	1/C ND	HVHREF	H/HREF	H/HREF	H(910)	H(10)	H(TAN)	D	TONTO	2
MUBER		ı E)	R-0.9	P. I. 0	R-TAH	8TU R	BTU/ R	BTU/ R	B TU/	DEG. R	DEG. R
							FTZSEC	FTZSEC	FTESEC	FTZSEC	/SEC	
110	2.0000	53000	23.000	.5530-01	.4570-01	.6180-01	-2167-02	50-05-1	- 1545. - 1545.	92.	\$:	. 200.
2	P. 0000	. 56700	000.	10-0804	10-0/95	0-0536.	0062-02	7440-07	1012-02	5700	2.1.2	550.1
9 :	55	. 05000	90.00	1500-01	1330-01	1790-01	.6270-03	.5192-03	.6996-03	.3960	4.290	546.1
2 5	0000.2	70500	27.000	1570-01	1050-01	1410-01	.4961-03	.4105-03	.9536-03	.3130	3.364	547.7
2 2	2.0000	75000	28.000	10-0411	.9500-02	15-08-11	.4480-03	.3711-03	.4999-03	.2830	3.099	547.5
=	2.0000	. 80000	29.000	-00160	.7603-02	.1020-01	.3584-03	.2967-03	.3999-03	.2260	2.488	5.8.2
0=	2.0000	.82400	30.000	.2400-0S	.2000-02	50-00/2	.9381-04	.7767-04	.1047-03	.5900-01	.8220	1.83.E
07	3.0000	.20000	31.000	.3620-01	10-0657	.4050-01	1419-02	.1173-02	.1586-02	0 7 88.	9.323	556.0
0::	3.0000	.22500	32.000	3010-01	10-06-2.	.3360-01	.1180-02	.9755-03	1318-02	.7370	907.9	554.4
110	3.0000	. 25000	33.000	.23+0-01	10-0-61	2610-01	.9175-05	. 7568-US	7050-03	20,01	300	9.1CC
2 :	3.0000	2000	000. X	10-0081	10-052	10-010-	F0-6894	20-55-03 50-95-03	7353-03	0414	5.131	3.0
2 5	3.000	0000	92.56	1680-01	1390-01	1870-01	.6567-03	5438-03	.7327-03	0515.	£.831	547.8
2 5		0000	37.000	2600-01	.2150-01	.2900-01	.1017-02	.8416-03	.1135-02	.6400	7.402	549.8
2 2	3.0000	37500	38.000	.3510-01	10-0162.	.3920-01	.1376-02	.1138-02	. 1536-02	.8650	10.10	550.5
2	3.0000	\$0000°	39.000	10-0414.	.3%20-01	.4620-01	. 1620-02	1341-02	. 1809-02	1.01	= .98	. 125
011	3.0000	.42500	40.000	.4350-01	.3590-01	.4860-01	.1703-02	. 1408-02	. 1902-02	1.064	12.55	55.0
011	3.0000	. 45600	41.000	.56+0-01	. +660-01	.6300-01	.2210-02	. 1827-02	-69-65	1.380	15.68	574.8
91	3.0000	. 17500	₩2.000	.5290-01	.4370-01	.5910-01	.2073-02	.1713-02	.2316-02	1.293	¥ .	1000
0 =	3.0000	.50000	43.000	.3600-01	. 2980-01	.4020-01	1410-02	.1167-02	1575-02	0503	1 4.	7 - 64
9	3.0000	.52500	** · 000	10-05-2	.2030-01	.2730-01	.9599-03	. 7947-03	- 1/01.	פניקי	7.075	7. c. c.
0 .	3.0000	22000	45.000	1930-01	. 1500-01	10-0615.	20-20-03	2012-03	50-6459.	2 2	3.30c	, e
2 :	3.0000	.60000	46.000 11.000	10-0811.	50-00/8.	10-0161	10-53-03	2017-03	360e-03	0267	2.047	546.0
2 :	3.0000	חסחכם.	90.74	5500-05	-000-054 -4600-02	6200-02	.2168-03	1797-03	.2419-03	.1370	1.512	546.0
2 5	3.0000	75000	49.000	.5100-02	.4200-02	5700-05	. 1992-03	. 1650-03	.2221-03	. 1260	1.369	546.0
2	3.0000	.80000	50.000	-2600-02	.2200-02	.2900-02	. 1033-03	.8558-04	.1152-03	.6500-01	0669	9±6.4
0 :	3.0000	.85000	51.000	.3900-02	.3300-02	50-00hh.	1540-03	1275-03	.1719-03	.9700-01	<u>8</u>	549.7
0 =	3.0000	.87501	52.000	.6200-02	.5200-02	. 7000-02	. 2446-03	2024-03	2730-03	040	 	330.7
9	3.0000	00006	53.000	-7800-02	-04-05-05 -05-05-05	50-00-6	50-505.	20-C3C3	4813-03	2700	3,572	
2 :	3.000	00000		10-0911	20-0096	10-0621	4536-03	3724-03	.5062-03	.2850	2.885	549.7
2 5	3.000	9000	71.000	4350-01	.3590-01	.4873-01	1705-02	1406-02	.1907-02	1.052	16.11	561.8
2	0000	22500	72.000	.3320-01	.2740-01	.3710-01	.1301-02	.1075-02	.1455-02	.8100	9.435	556.9
=	\$.0000	.25000	73.000	.2570-01	.2130-01	.2880-01	.1008-02	.8336-03	.1127-02	.6300	7.346	554.5
9	.0000	.27500	٦.000	.2390-01	10-0861.	.2670-01	.9363-03	.7742-03	.1046-02	.5860	7.218	553.2
2	4.0000	30000	56.000	10-0612.	10-0181	10-0442	.6577-03	.7097-03	.9575-03	.5390	7.037	550.8
9	₩.0000	.32500	57.000	.4160-01	3440-01	.4650-01	. 1629-02	.1346-02	. 1820-02	1.017	C :	554.9
110	4.6000	.35000	58.000	.6040-01	. 4993-01	.6760-01	.2367-02	-1953-02	.2647-02	. . 53	5 €	560.0
9	4.0000	.37500	59.000	.4630-01	.3820-01	.5170-01	. 1813-02	50-86-10	- 67c5-0c	161	. A	100. I
<u> </u>	. 0000	¥0000	60.000	10-0882	10-0852	10-012K	20-/2110	2369-03	9103-05	25.5	201.5	2.10.7
<u> </u>	• · · · · · · · · · · · · · · · · · · ·		900.19	10-060-	.1 /50-61	10-0369	77.10.	}			;	

1 A 1 1

DATE	DATE 87 OCT 75		OH-7% (AED)	CH-74 (AEDC V418-88A)		HEATING DATA ON ORBITER FUSELAGE PORT SIDE.	BITER FUSE	LACE PORT S	3105			PAGE 264
						M. BRECIE						
2	TRANE	χV	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(TO)	H(TAN)	1000	DTAD	
HAMBER	_			P=0.9	R- i .0	R-TAM	BTU/ R	BTU/ R	BTU R	970	0EG. R	DEG. R
:	1		65	10-0-91	10-0811	1590-01	7.576-03	4617-03	7 163EL	3520	7 K	0.68.0
	0000	4.7500	63.000	10-0801	- 3006	1210-01	.4251-03	.3520-03	E0-E7.5	.2680	3.411	547.6
2	. r.300	.50000	Ø. 000	.7500-02	.6200-02	.6300-02	.2932-03	.2429-03	.3271-03	.1960	2.294	5.66.2
0=	00000.	.52500	65.000	.6300-02	.5200-02	.7000-02	.2458-03	.2036-03	. 2742-03	. 1560	1.923	5.6.2
110	. 0000	.55000	66.000	5700-05	£700-05	.6300-02	.2219-03	. 1839-03	20-27-03	0141.	6¥6	545.1
011	4.0000	.60000	67.000	.3900-02	.3300-02	-00-00hh	. 1547-03	. 1282-03	.1725-03	10-0086	105	54.5
011	. 0000	.65000	68 .000	20-0082	.2300-02	.3100-02	. 1093-03	.9061-04	. 1219-03	10-0069	.8130	*.* *
110	4.0000	•	69.000	.1400-02	.1100-02	. 1500-02	. 5333-04	10-1211.	. 59+7-0 +	3400-01	.3770	54.3
110	4.0000	•	70.000	. 1200-02	. 1000-02	. 1300-02	4519-04	3747-04	-5038-CF	10-0062.	.3200	O. 150
2	€.0000	90000	75.000	. 8000-03	.6000-03	.8000-03	.2977-04	₩9-89-Z.	.3320-04	1920-01	.228 0	9. TO
0=	4.0000	•	76.000	. 1800-02	.1500-02	.2000-02	.6946-04	.5758-04·	-2-5×1.	10-00**	.5230	9.4.0
110	4.0000	•	77.000	50-0052	.2100-0S	.2800-02	.9936-04	. 8233-04	. 1108-03	.6300-01	.8240	545.7
011	4,0000	.90000	78.000	.3600-02	. 3000-02	-4000×°	. 1405-03	. 1164-03	. 1567-03	.8900-01	1.150	546.4
110	4.0000	.92500	79.000	50-066 ₄ .	-4100-0S	.5500-02	.1917-03	. 1586-03	.2138-03	. 1210	66≯.	546.6
	1	COCOSO	000	E 0-00F-3	0000		1007-001	16.00	4010000		-	:

				M-74 (A	EDC VAIB-BR	OH-74 (AEDC 1418-88A) BGECIZFIOMIGHIZTE EVBRIS	10M16W1278	EVBR19				(RVB003)
348175	CHBITER FUSE, AGE							PARA	PARAMETRIC DATA	_		
					į	1		•				
					K	2.00g	5	. e. 000	ELEVON .	.0000	AUDOER .	0076.
					•••1	***TEST CONDITIONS***	···S					
3	¥Ç¥	ALPHA	2	0	Ī	YAH	-	۵	ø	>	9	2
		.	¥.	0EG. 78	E	DEG.	DEG. R	<u>₹</u>	PSIA	FT/SEC	STOOS	235-87
8	7.980	8.0	673.5	1 % 5.	-166.3	2.400	97.50	.7000-01	3.108	3867.	.5982-04	.7853-07
2		1	STN NO									
MUMBER	X10 6	615/ R	ě									
3	6.9	10-1664	. 83-6-01									
					•	***TEST DATA***	:					
2	TRACE	×۱۲	1/C NO	FINEE	H/HREF	H/HREF	HIGTO	H(10)	H(TAW)	1000	TOMTO	ž
				R=0.9	R-1.0	R-TAH	8TU/ 2	87U, R	8TU/ R	BTU.	DEG. R	DEG. R
9	•	2000					FT2SEC	F125.0	FT2SEC	FT2SEC	7SEC	
3	0000.1	30000	2.0000	10-0001	10-0551.	10-00-11	5958-03	5793-03	.7736-03	. 46¥0	. 4 . 820	
3	1.0000	.32500	3.0000	1180-01	20-0066	1320-01	5152-03	E0-054	50-0653	0975	7 E	
8	0000.1	. 35000	€. 00G0	.1160-01	-9700-02	16-06-11	.5068-03	.4220-03	.5634-03	.3390	3.516	M. 03.6
8 8	0000.1	37500	5.0000	10-0511.	. 9500-02	. 1270-01	.496+-03	.4132-03	.5520-03	.3310	3.486	*.
y 2		0000	6.0000	13-0-01	10-0011	10-36-11	.5766-03	.4800-03	.6411-03	3650	3.956	541.3
8 2	0000	000%	7.0000	10-0-651	10-0211	1500-01	.5870-03	.4885-03	.6528-03	39:0	4.056	542.5
8	0000	2000	00000	10-0561	10-059:	10-05/17	£0-ca/a.	20-186	. 7383-F3	4510	4.613	- 1 1 1 1 1
8	1.0000	50000	10.000	.2090-01	1740-01	.2320-01	£0-8606	7568-03	-0-2101	.6050	5.12	34.5.00 19.6.00 19.6.00
8	1.0000	.52500	11.000	10-0261.	.1600-01	.2140-01	.8359-03	.6954-03	.9299-03	.5559	5.624	2.4.2
3	1.0000	.55/100	12.000	. 1830-01	1520-01	.2330-01	.7953-03	.6617-03	.8847-13	.5290	5.374	543.9
8 8	0000.1	.60000	13.000	.2290-01	10-0061.	.2550-01	.9959-03	.8279-03	.1108-02	.6590	6.b. ·	546.5
8 2	0000	20004	900.	10-07-01	.2350-01	.3153-01	. 1231-02	1024-02	.1370-02	.8150	8.247	5,6.5
ł 13	1.0000	25000	25.000	1250-01	10-0126	10-05-92	1365-02	34-05 56-0E::	.1519-02	.9020	8.795	547.9
8	1.0000	00000	17.003	10-1	3360-01	10-0157	50-51-1	20-8/11.	50-8/61.	0886.	B/ 4.5	7.75
3	€.0000	28500	18.0	1540-01	12-08-11	1710-01	.6685-03	5558-03	30-3061.	130	יין יון ע	C. 100
8	2.0000	.33.700	19.00	.1350-01	.1120-01	10-0051	.5864-03	.4885-03	.6518-03	3930	, , , , , , , , , , , , , , , , , , ,	539.0 539.0
3	€.0000	. 39000	20.00	1540-01	1280-01	.1710-01	.6704-03	.5582-03	.7452-03	0844.	20.20	540.7
\$	€.0000	.42600	21.000	1820-01	1520-01	.2020-01	7926-D3	SECU-02	20.7.00	000		
ß	6							0000	. 0015100.	neac.		÷.

				OH-76 (AE	34-74 (AEDC V418-88A) BG2C12F10M164127E5278R19	N BEZCIEFI	10H16H127EE	1278R19				(RVB003)
2	TRACE	X	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HC TAW)	200 0	DTMOT	3
NUMBER		ŀ		R=0.9	R-1.0	R-TAH	81U/ R	6TU/ R	81U/ R	BTU/	DEG. R	DEG. R
							والمجور	FT2SEC	FT2SEC	FT2SEC	/SEC	í
3	2.0000	.53000	23.000	.2620-01	.2180-01	.2920-01	.111,1-02	.9490-03	. 1269-02	.7580	8.436	7.7
8	2.0000	.56700	₽¥.000	.3120-01	.2600-01	. 3470-01	. 1359-02	-1130-02	. 1512-02	.9000	9.772	546.3
3	2.6300	.62000	25.000	.3650-01	3040-01	.4070-01	.1591-02	. 1323-02	. 1771-02	1.053	£4. ==	5£7. C
2	2.,1000	.67000	26.000	.4860-01	10-0404.	10-01 15.	-2117-02	. 1759-02	.2357-02	1.396	15.13	r. 64
8	2.0000	.70500	27.000	.6230-01	.5170-01	10-0469	.2713-02	. 2252-02	. 3022-02	1.780	19.08	9. 11.
2	2,0000	.75000	28.000	.5680-01	.4720-01	.6330-01	50-1215.	. 2054-02	.2756-02	1.626	17.78	2
8	2.0000	90000	29.000	3440-01	.2960-01	.3830-01	. 1500-02	. 1247-02	. 1670-02	.9910	10.01	£7.9
3	2.0000	.82400	30.000	.1670-01	.1390-01	1960-01	.7277-03	.6044-03	.8103-03	.4790	6.654	550.0
2	3.0000	20000	31.000	.3560-01	.2960-01	.3970-01	. 1551 - 02	. 1288-02	. 1727- 02	1.021	10.79	550.5
8	3.0000	.22500	32.100	.2750-01	.2280-01	. 3060-01	.1196-02	.9945-03	. 1331-02	.7930	8. 86 7	545.8
8	3.0000	25000	33.000	.2100-01	1750-01	.2330-01	.9137-03	.7605-03	.1016-02	.£090	6.827	542.0
2	3.0000	.275.0	34,000	1610-01	1340-01	10-0641.	.7025-03	. 5852-03	.7808-03	.4700	5.647	539.2
2	3.0000	30000	35.000	16-0761.	1140-01	1530-01	.5978-03	.4981-03	.6643-03	0104.	4.979	537.8
2	3.0000	3250	36.000	1460-01	. 1220-01	. 1620-01	.6352-03	.5292-03	.7058-03	.4260	5.011	537.9
8	3.0000	35000	37.000	1600-01	1330-01	11780-01	.6961-03	.5798-03	. 7736-03	. 4660	3.426	538.7
&	3.0000	37500	38,000	1680-01	10-00-11	. 1870-01	.7332-03	.6107-03	.8150-03	0164.	5.71	539.1
8	3.0000	\$0000	39.000	10-0115.	.1760-01	.2350-01	.9193-03	.7653-03	. 1022-02	.6140	7.5.17	٠ <u>-</u>
2	3.0000	42500	40.000	.2820-01	.2350-01	.3140-01	. 1229-02	.10 23- 02	.1367-02	.8180	669.6	543.2
8	3.0000	45000	41.000	10-0262	10-03%	.3260-01	.1275-02	. 1061-02	.1418-02	.8490	9.705	542.8
2	3.0000	47500	42.000	.2870-01	.2390-01	.3190-01	.1249-02	.1039-02	. 1389-02	.8300	9.242	544.1
1 2	3.0000	20000	43.000	. 3260-01	.2710-01	.3630-01	.1421-02	.1182-02	. 1581-02	9430	10.49	4.5.4
1 2	3.0000	52500	44.000	.3900-01	.3240-01	10-0424	. 1699-02	.1412-02	. 1890-02	 33	13.17	546.7
2	3.0000	.55000	45.000	.4630-01	.3850-01	.5150-01	.2016-02	. 1675-02	.2244-02	1 330	14.78	546.7
2	3.0000	.60000	₩6.000	.7590-01	.6300-01	.8460-01	. 3304-02	. 2742-02	. 3682-02	2.165	23.41	553.6
8	3.0000	.65000	47.000	.6430-01	.5330-01	.7160-01	.2800-02	. 2323-02	.3120-02	1.833	¥.0.	554.1
1 28	3.0000	.70000	48.000	.3280-01	.2730-01	.3650-01	. 1429-02	.1188-62	. 1590-02	0846.	10.44	545.7
8	3.0000	.75000	49.000	10-6781.	. 1560-01	.2080-01	.8145-03	.6777-03	. 9060-03	5450	5.889	543.6
3	3.0000	.80000	50.000	. 1510-01	. 1260-01	10-0891	.6590-03	.5483-03	.7329-03	.43 <u>90</u>	4.699	543.5
ß	3.0000	.85000	51.000	10-0411.	.9500-02	.1270-01	.4985-03	.4145-03	.5548-03	.3300	¥.082	346.4
8	3.0000	.87509	52.000	.3730-01	.3100-01	10-0914.	. 1626-02	. 1349-02	. 1812-02	1.064	- 3· -	
8	3.0000	00006.	53.000	.2240-01	. 1860-01	10-0672.	.9750-03	.8095-03	.1085-02	.6400	88.8	
3	3.0000	.92500	000 · ₹.	.2440-01	.2020-01	.2720-01	. 1062-02	.9816-03	. 1183-02	.6980	9.108	321.6
8	3,0000	.95000	55.000	.3260-01	10-0173.	.3630-01	. 1420-02	.1179-02	. 1581-02	.9330	9.409	25.
8	4.0000	.20000	71.000	16-0774.	.3620-01	.4873-01	. 1903-02	. 1578-02	-0-1212	 250	1¢.08	557.0
2	4.0000	.22500	72.000	.3330-01	.em-01	.3710-01	. 1452-02	. 1206-02	. 1616-02	.9560	11.17	550.2
8	4.0000	.25000	73.000	10-0745.	.2050-01	.2740-01	.1074-02	. 8928-03	.1195-02	.7120	8.342	9.55.55
2	0000	27500	24.000	1930-01	1610-01	.2150-01	.8414-03	.6999-03	. 9360-03	. 5590	6.917	3. 33. 0.
1 2	0000	30000	56.000	.1720-01	1440-01	10-0261	. 7508-03	.6251-03	.83'8-03	.5010	6.381	540.3
3 8	1	22500	57.000	1820-01	1520-01	.2020-01	. 7928-03	.6600-03	. 9815-03	.5290	6.94¢	£¥
8 8	2000	35000		2670-01	.2229-01	.2970-01	.1161-02	.9662-03	1291-02	.7730	10.13	543.3
8 8	0000	27500	29.000	.3650-01	3040-01	.4070-01	. 1594-02	. 1326-02	.1774-02	1.057	3.85	9 ±5.3
y ()	1000	90001	900.09	4680-0	3890-01	.5210-01	.2040-02	. 1695-62	.2270-02	1.347	59.71	2.8.J
¥ Q	1.000	0000	61.000	.5580-01	10-0494	.6220-01	2430-05	.2019-02	.2706-02	1.600	20.91	550.3
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OH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE

DATE 07 OCT 75

PAGE 266

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DATE 07	DATE 07 OCT 75		OH-74 (AEDC	04-74 (AEDC V418-86A) HEATING DATA ON ORBITER FUSELAGE PORT	HEATING D	ATA ON ORE	IITER FUSEL		SIDE			PAGE 267
				OH-74 (AED	04-74 (AEDC V418-88A) 862C12F10H16H127E52V9R19) B62C12F1	10H16H127E	52VBR19				(RVB003)
RUN	TRANE	×K	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R=TAH	H(910) BTU/ R	H(10) BTU/ R	HITAM) BTU/ R FT2SEC	9001 81U/ F125EC	DEG. R	74 066. R
8	0000.+	.45000	62.000	.7220-01	.5990-01	.8050-01	3144-02	2609-02	.3504-02	2.056 404	30.31	554.9 563.2
88	4.0000	.50000	63.000 64.000	10-0558.	.6100-01	.8220-01	.3208-02	.2657-02	3579-02	2.078	10.00	560.8
88	4.3000	52500	65.000 66.000	3840-01	.3190-01	.6120-01 .4270-01	.2390-02 .1670-02	. 1388-02	. 1860-02	1.102	12.89	24.8.9
3 28 3	3000.	.60000	67.000	10-0261.	.1640-01	.2190-01	.8558-03	.7120-03	.9521-03 .7163-03	. 4290	5.399 5.028	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
8 8 8	4.0000	75000	69.000	. 1050-01	.8700-02 .7900-02	.1170-01	.4564-03	.3798-03	.5075-03	.2760	3.082	54.5 541.5
8 8 8	4.0000	.85000	75.000 76.000	. 6000-02 . 6000-02	.3500-02	.6700-02	. 1839-03	. 1530-03	.2920-03	1750	2.070 2.070	7. v. v. v. v. v. v. v. v. v. v. v. v. v.
ឌេឌ	4.0000	.90000	77.000 28.000 200.87	. 8100-02 . 8100-02	.4000-02 .6700-02 .1280-01	.5400-02 .9000-02 .1710-01	.3530-03 .3530-03	. 1757-03 . 2936-03 . 5568-03	.3927-03 .7458-03	. 2340	3.033 5.469	9.4.4.0 9.7.4.0
8 8	4.0000	. 95000	80.000	.8800-02	.7300-02	.9800-02	.3830-03	.3184-03	.4262-03	0425.	2.968	546.8

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DATE O	DATE 07 OCT 75		04-74 (AEDC VVIB-BBA) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	V4 I B-88A)	HEATING [DATA ON ORB	ITER FUSEL	AGE PORT S	30			PAGE 268
				OH-74 (AEI	X V*18-88	OH-74 (AEDC V418-88A) BGECLEFIONIGHIZTESZVBRIS	OMI GWI 27ES	2VBR19				(RVB003)
ONB11E	ONBITER FUSE, AGE							PARAME	PARAMETRIC DATA			
					BETA	- 2.000	MACH	8 .000	ELEVON .	0000	RUDDER .	0000
					165	***1EST CONDITIONS***	•••					
RUN .	. MACH	ALPHA DE0.	& ₹ ₹	70 DEG. R	PH 1	YAN DEG.	7 060. R	• <u>₹</u>	o šis	V F1/5EC	RH0 SLU0S /F13	FT2
8	7.990	29.63	674.6	1344.	-90.06	2.000	97.60	.7000-01	3.113	3868.	-0-886c.	.7859-07
RUN	77VL X10 6	HAEF BTU/ R	STN ND									
63	7.7. 2.947	FT25EC .4358-01	.0175 .23v7-01									
					•	*** TEST DATA***	:					
i		5	97.2	H/HREF	H/HREF	H/HPEF	H(910)	HCTO	HCTAH)	DOO	DTHDT	
RUN	IKACE	, ,	2	R-0.9	R=1.0	R-TAM	9TU/ R	BTU/ R	BTU/ R	BTU/	056. R	DEG. R
				į			F125EC	FT2SEC	F 15-03	5020	5.203	945.3
63	1.0000	.27500	1.0000	10-0541	10-05-1	10-0651	6235-03	.5187-03	.6937-03	.4140	4.395	9.4.9
63	1.0000	30000	2.0000	1210-01	10-0101	1350-01	.5270-03	.+38+-03	.5862-03	35.0	3.599	7. T
6 6	1.0000	35000	4.0000	1350-01	.1130-01	10-0051	5896-03	1,4905-03	.6558-03	.3920 2450	3.728	- o. 35
63	1.0000	37500	5.0000	1230-01	10-0501.	2220-01	.9887-03	.7224-03	.9666-03	.5760	5.911	546.2
63	0000.1	. 40800 42500	7 0000	1960-01	16-0-01	.2200-01	.8610-03	.7158-05	.9582-03	.5710	5.90±	546.9 547.4
63	1.0000	.45000	8.0000	.2300-01	10-0161	.2560-01	1001-02	.8318-07	50-91 I G	05.46	5.52	3.7.2
63	1.0000	.47500	9.000	1880-01	10-0761.	10-0012	9237-03	7678-03	1028-02	.6110	6.181	547.6
63	0000	25500	11.000	.2900-01	.2410-01	.3230-01	. 1265-02	1051-02	20-8041	.8350	9.436	m. 036
63	1.0000	.55000	12.000	.3060-01	10-0462	3400-01	.1332-02	50-7011.	30-022c	988	13.78	555.2
63	1.0000	.60000	13.000	- 4800-01	3980-01	10-0556.	50-1805.	1937-02	.2603-02	1.527	15.37	555.8
63	1.0000	.65000	2 . 600	10-086	3610-01	10-0584	.1896-02	.1573-02	.2113-02	- <u>*</u>	12.06	934.B
63	1.0000	0000	15.000	.2830-01	.2350-01	.3160-01	. 1235-02	.1025-02	. 1376-02	.8120	8.195	551.8
63	0000	00008	17.000	.2270-01	1880-01	.2530-01	.9880-03	. 8203-03	1101-02	0649.	6. 20 10 00 10 00	, e
63	2.0000	.28500	18.000	1620-01	1350-01	1810-01	.7074-03	20-588C-03	7817-03		100 m	3.03.6
63	2.0000	.33700	19.000	10-0751.	1310-01	10-06/1.	50-54011	9871-03	1322-02	7860	9.2.6	547.8
63	2.0000	39000	20.000	10-05/5.	10-0aye	10-0%65	1387-02	1152-02	1544-02	0416.	10.59	550.2
63	7.0000 0000	47800	22.000	3860-01	3210-01	.4300-01	1683-02	. 1398-02	.1874-02	. : 08	12.29	551.4 4.156
20	٨. ١٥٥٥	2007 1.										

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DATE 07	DATE 07 OCT 75		OH-74 (AEDO	OH-74 (AEDC V418-88A)	HEATING 0	HEATING DATA ON ORBITER FUSELAGE PORT	ITER FUSEL		30.8			PAGE 269
				OH-74 (AED	C V418-B8A	0H-74 (AEDC V418-88A) BG2C12F10H1GH127E52VBR19	OHI GWI 27ES	2VBR19				(RV8003)
i		5	QN 3/1	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAH)	2000	DTMOT	
K-BER	7	Ķ	2	R=0.9	R=1.0	R-TAW	81U/ R	8TU/ R	81U/ R	BTU	DE0. R	050 R
		:	•		000	0-0913	FT25EC	PTESEC PROM-02	F 125EC	1.647	18.22	527.5
63	2.0000	.53000	23.000	10-06/6	10-0081	10-01-61	2388-02	1980-02	2662-02	1.559	16.83	9.996
63	≥.0000	.56700	000.	10-0000	010101	10-0-12	1229-02	-1021-02	. 1368-02	.810	9.782	549.9
63	2. f.300	.62000	. S	10-01-01	1620-01	2170-01	8494-03	.7057-03	.9456-03	.5610	6.079	549.3
63	Z. 3000	000/9	20.000	10-0871	1230-01	10-0-01	.6430-03	.53+4-03	.7157-03	, £30	4.586	Ste. 3
63	2.0000	0000/	200.79	10-05-21	10-0-01	1390-01	5440-03	.4522-03	.6055-03	.3600	3.947	2.7.5
2 5	0000	00004	20.00	. 1070-01	50-008.	10-06:1:	.4660-03	.3873-03	.5186-03	.3080	3.396	47.7
3 2	2000	00008	30.000	3100-02	.2600-02	.3500-02	. 1355-03	. 1125-03	. 1508-03	10-0068	243 543	- 0. 0. 0. 0.
3 6	2000 ×	20000	31.000	.3620-01	.3000-01	10-0204	.1577-02	. 1308-02	1758-02	620.	10.0t	
7 P	J. 0000	.22500	32.000	.3060-01	.2540-01	3410-01	. 1335-02	.1108-02	1488-02	.8750	9.753	2.0
3 2	3.0000	65200	33.000	.2320-01	10-0261	10-0652.	.1013-02	.0412-03	.1127-02	.6680	305.7	
9	3.0000	27500	34.000	.1820-01	1510-01	.2020-01	.7915-03	.6580-03	.6807-03	5250	6.675	7.0.1
63	3.0000	. 30000	15.000	. 1670-01	1390-01	1820-01	. 7259-03	.6037-03	.8076-03	5 G	90.0	
63	3.0000	.32500	36.000	. 1670-01	1390-01	10-0901	.7289-03	.6063-03	.9109-03))))	0.0/g	2. E. E. E. E. E. E. E. E. E. E. E. E. E.
63	3.0000	.35000	37.000	.2600-01	.2160-01	.2890-01	.1133-02	.9416-03	30-00-1.	0167.	9.030	
63	3.0000	.37500	38.000	.3380-01	.2810-01	3760-01	50-241.	1223-02	.1538-Uc	02/5.	14 AD	10 C C C C C C C C C C C C C C C C C C C
63	3.0000	0000s.	39.009	10-3204.	3340-01	10-08+4.	. 1753-02	50-96-11.	50-5051.	001.	8 8	. CR.
63	3.0000	.42500	40.000	.3840-01	.3180-01	14270-01	. 1672-02	. 1 388-02	1866-06	660.	5. 9.	554.5
63	3.0000	.45000	¥1.000	.5660-01	14700-01	.6310-01	2467-06	20-7-02-	מטיפר/טי		5.0	556.6
63	3.0000	.47500	₩5.000	.5600-01	.4650-01	.6250-01	50-5445.	. CUCD-UC	30-22/2	021	75.97	552.4
63	3.0000	.50000	43.000·	.4080-01	.3390-01	10-0004	20-08/1.	20-1/101	1357-02	8060	9.423	548.8
63	3.0000	.52500	\$\$.000 \$\$	10-0082	.2320-01	10-0115	1619-06	70-6-07	1065-02	6320	7.028	548.5
63	3.0000	.55000	45.000	10-0615.	10-020.	10-046	50-11-18	. 4500-03	.6022-03	3590	3.895	546.4
63	3.0000	. 60000	46.000	10-00-00	10-0501	20-0046	3067-03	. 2550-03	3412-03	0408.	2.158	545.7
63	3.0000	. 65969	000.	40-000V	-00-00C#	6300-02	2451-03	.2039-03	.2727-03	. 1630	¥	545.5
63	3.0000	00007.	000.63	5900-05	-4900-0S	.6600-02	.2570-03	.2138-03	.2859-03	.1710	₹ 68.	4. 6. 10 10 10 10 10 10 10 10 10 10 10 10 10 10 1
3 6	3.0000 ×	0000	50.000	3600-02	3000-05	-4000-05	.1570-03	. 1306-03	.1747-03	. 1040	1.116	0.0 0.0
3 6	3.0000	.85000	51.000	.6700-02	. 5500-02	.7400-02	. 2902-03	. 2410-03	. 3231-03	0161.	2.360	550.3
2	3.0000	.87509	52.000	20-0014	.5900-02	.7900-02	3074-03	.2552-03	.3423-03	0.00		2. GAR
63	3.0000	00006	53.000	.7500-02	.6200-02	.8300-02	.3249-03	2697-03	50-810g.	0410	3.881	552.3
63	3.0000	.92500	. 000 %	70-0-0	50-0098.	10-020	. 4764-03	50-05/5.	1954 - 1958	3280	3.315	949.9
63	3.0000	.95000	55.000	140-01	20-00CS.	10-0/21.	60-0101	CO-80-1	20-110-	1.175	13.29	563.9
63	٠.0000	. 20000	71.000	10-0614	3450-01	10-0292	40-86F1	.1157-02	1556-02	0116	19.01	557.0
63	4.0000	25200	77,000	10-00X.	10-0016	2810-01	1101-02	.9139-03	.1226-02	.7230	- 1 2 7 .	552.8
63	7.0000	00007	20.5	10-082	1980-01	.2660-01	.1039-02	.8632-03	.1157-02	.6850	8.443	550.8
3 5	0000.	2000	96.000	.2330-01	10-0-61	10-065-2	.1016-02	.6+39-03	.1131-02	.6710	8.770	0.0
6 5	2000.1	0055	57,000	3950-01	.3280-01	10-00*4	.1722-02	50-6241.	-1919-02	1.128		7
מ מ	0000	35000	58.000	.5750-01	.4770-01	.6420-01	.2507-02	£0-770 2 .	2797-02	1.628	21.16	
3 2	4.0000	37500	59.000	.4480-01	.3710-01	10-0664.	. 1951-ne	.1619-02	2174-02	1.277	<u>.</u>	100. 880 0
63	4.0000	00004	60.000	.2920-01	.2420-01	.3250-01	. 1272-02	50-1501.	AU-7:41.	פרם.		0.030
63	4.0000	. 42500	61.000	. 2220-01	1950-01	.2480-01	.9692-03	. 8053-03	. 10/a-ut	2	;	;

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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATE 07	DATE 07 OCT 75		OH-74 (AEDC	V418-88A3		ATA ON OF	HEATING DATA ON ORBITER FUSELAGE PORT		SIDE			PAGE 270
				OH-TH (ALDC	X W18-88A	1) BESCIEF	WIB-BBA) BEZCIZFIOMIGNIZTESZVBRI9	22V8R19				(RY:4003)
Ş	TRANE	×	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HITAH	2000	DTMDT	7
NUMBER		,		R=0.9	R=1.0	R-TAM	BTU/ R	8TU/ R	BTU/ R	910/	DEG. R	Ø€6. ₩
							FT2SEC	FT2SEC	FT2SEC	FT2SEC	335/	
63	4.0000	45000	62.000	1470-01	. 1220-01	1640-01	.6412-03	.5330-03	.7136-33	.4250	5.490	きった
9	4.0000	47500	63.000	10-0401	.8600-02	1160-01	.4525-03	. 3762-03	.5035-03	.3000	3.013	9±6.8
63	4.1.000	50000	64.000	.7500-02	.6300-02	-00-08	. 3268-03	. 2735-03	.3658-63	.2180	P. 701	4.040
63	4.3000	.52500	65,000	.6200-02	5200-05	.6900-02	.2720-03	.2262-03	. 3026-03	0181.	P. 235	9±5.2
63	0000	.35000	66.000	.5700-02	50-00th.	.6300-02	.2477-03	.2060-03	.2755-03	. 1650	-, 98 9	0. z.c
50	4.0000	.60000	67.000	.3600-02	.3000-02	-0000h.	.1568-03	304-03	1744-03	. 1040	<u>.</u> 5	£3.6
7	4.0000	.65000	69.000	.2500-02	-8100-08	.£700-02	. 1075-03	.69±7-0±	. 1196-33	.7200-01	.8390	0.74
20	4.0000	.70000	99.000	. 1300-02	.1100-02	. 1500-02	-50-41 8 G	.4 83 7-04	.6466-04	. 3900-01	0184.	543.6
6	4.0000	.75000	70.000	. 1500-02	. 1200-02	.1700-02	.6515°-04	.5421-04	. 7848-04	10-0024	0101	¥3.6
29	4.0000	. 800ა0	75.000	. 1300-02	.1100-02	. 1400-02	.5676-04	.4722-04	·8314-04	.3800-01	. 4950	ž.
63	4.0000	.85000	76.300	.2300-02	. 1900-02	.2600-02	.1017-03	-8438-04	.1132-03	.6700-01	. 7980	1.07.0
63	4.0000	.87500	77.000	.3300-02	.2800-02	.3700-02	. 1444-03	. 1201-03	. 1607-03	.9600-01	1.253	5.6.5
63	4.0000	.90000	78.000	S0-0014.	.3400-02	-4600-02	. 1788-03	. 1485-03	: 1990-03	.1180	1.532	1.75
63	4.0000	.92500	79.000	20-006h.	-4100-02	.5500-02	.2147-03	. 1784-03	. 2389-03	.1420	1.755	£7.9
63	4.0000	95000	80.000	5000-05	.4200-02	.5600-02	.2196-03	. 1826-03	.2444-03	.1450	1.702	547.4

のながいたとうと、そのできて、一般をなるとのないというないというというないのできないからないできないできないできないというできないというないまといいというないが

DATE 0'	DATE 07 OC1 75		CH-74 LAEDC V418-88A) HEATING DATA ON CHBITER FUSELAGE PORT SIDE	; V*18-88A)	HEATING	DATA ON OR	BITER FUSEI	AGE PORT	30.5			PANE 271
				OH-74 (AE	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	A) BBCIEF	10M16W127E	\$278R19				(RVB003)
ORB1 TE	ORBITER FUSE, AGE							PARAM	PARANETRIC DATA			
					BETA	- 2.000	HCH	8.000	ELEVON .	.0000	RUDDER .	.0000
					•••165	***TEST CONDITIONS***	•••\$					
RUN	MACH	ALPHA	8 8	10 8.8	11 5 G	YAW	± 050	۵ <u>۲</u>	o ž	V F1/SFC	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3
5	6.000	19.82	4.808	1351.	-168.6	2.000	97.90	10-0089	3.710	3879.	/FT3	/FT2 .7882-07
2	EN/E	HEE!	STN NO									
NUMBER	X10 6	BTU/ R	. S.									
6	3.492	.4762-01	.2157-01									
					•	**************************************	:					
ş	TRACE	×/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	HC T0)	HCTAM	200	DTMOT	¥
NUMBER				R=0.9	R•1.0	R-TAK	87U/ R	87U/ R	8TU/ R	970/	DEG. R	DEG. R
1	1		,		1	•	FTZSEC	FTZSEC	FTZSEC	FTZSEC) SEC	
F 6	0000.1	30000	2.0000	. (390-01	1150-01	19:0:01	.6616-03	54-17-C3 -54-98-03	. 7365-03	.5120	5.288 4.644	322.4 351.6
7.6	1.0000	.32500	3.0000	.1170-01	.9700-02	.1300-01	.5566-03	.4627-03	.6196-03	.3700	3.788	550.8
16	0000.	35000	4.0000	.1160-01	.9600-02	1290-01	.5519-03	.4587-03	.6143-03	.3670	3.791	550.8
) Es	0000.1	00004.	5.0000	. 1360-01	. 1130-01	10-0151.	.6476-03	.5382-03	.7208-03	.4310	4.407	550.8
6	1.0000	.42500	7.0000	1370-01	10-0+11.	. 1520-01	.6519-03	.5417-03	.7257-03	.4330	4.471	551.5
6	1.0000	. 45000	9.0000	. 1480-01	. 1230-01	1650-01	.7040-03	.5850-03	.7837-03	.4670	4.758	551.9
66	0000	0007.4.	0000	10-0015	10-05/1.	10-00-2	9430-03	20-C359.	1050-02	5250	5. 76¢	555.4
i 6	1.0000	.52500	11.000	10-0861	1650-01	.2210-01	.9444-03	. 7845-03	.1052-02	.6260	6.313	552.9
76	1.0000	.55000	12.000	. 1820-01	1510-01	.2030-01	.8674-03	. 7207-03	.9657-03	.5760	5.752	552.3
16	1.0000	.60000	13.000	. 2250-01	.1870-01	.2510-01	.1073-02	.8906-03	.1195-02	.7090	7.14	554.6
5 6	0000	.65000	000.41	10-0582	2000-01	. 5180-01	50-555	50-5511.	20-2101	2669.	2. CD. 2.	554.3
i 6	0000	75000	16,000	2960-01	2460-01	.3290-01	1408-02	.1169-02	1569-02	.9300	9.369	555.2
6	1.0000	. 60000	17.000	.3830-01	3180-01	.4270-01	.1825-02	.1514-02	. 2034-02	1.202	11.57	557.2
76	2.0000	.28500	18.000	1470-01	. 1220-01	. 1630-01	.6983-03	.5800-03	.7776-03	.4630	5.399	553.4
76	€.0000	.33700	000.61	. 1270-61	. 1060-01	1410-01	.6050-03	.5027-03	.6735-03	.4020	4.717	551.9
5 !	2.0000	.39000	20.000	.1550-01	1290-01	1730-01	.7400-03	.6148-03	.8238-03	0164.	5.766	552.2
6 F	2.0000	, 42600 47800	22.000	1950-01	1950-01	2610-01	.1118-02	.7698-03	50-55-01.	210.	7.153 8.209	333.6 553.6
;	,) }					1.		1)	1	

(1)

ě	TRACE	X	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H 10	HCTAH:	1000	DTMOT	3
NUMBER		•		R=0.9	R-1.0	R-TAW	8TU/ R	BTU/ R	81U/ R	870/	DE0. R	DE5. R
		!	,				FT2SEC	3352	FT2SEC	FTESEC	235/	
16	2.0000	.53000	23.000	.2700-01	. 2250-01	3010-01	. 1288-02	. 1 n69-02	. 1435-02	92.0	9.427	555.1
76	S. 0000	.56700	₹.000	3190-01	.2650-01	. 3550-01	.1519-02	. 1261-02	. 1692-02	1.002	10.82	556.2
75	2.000	.62000	32.000 12.000	. 3470-01	.2880-01	. 3860-01	. 1651-02	.1370-02	. 1840-02	1.087	₹.=	557.2
76	2.3000	.67000	26.000	.4120-01	.3420-01	.4590-01	. 1962-02	. 1628-02	.2187-02	1.29	13.93	558.0
93	2.0000	.70500	27.000	.5570-01	.4620-01	.6210-013	. 2651-02	.2198-02	. 2955-02	1.739	18.56	559.9
6	2.0000	.75000	2 8.0 00	.5250-01	.4360-01	. 5850-01	.2501-02	50-4-05	.e787-02	1.643	17.90	558.8
16	2.0000	.80000	29.000	.3360-01	.2790-01	.3740-01	.1600-02	. 1328-02	.1783-02	1.055	11.56	556.6
6	2.0000	.82400	30.000	1660-01	1380-01	10-0581.	.7909-03	.6562-03	.8814-03	.5210	7.200	557.6
6	3.0000	.20000	31.000	.3430-01	.2840-01	.3820-01	. 1631-02	. 1352-02	1819-02	1.067	11.21	562.0
97	3.0000	.22500	32.000	.2680-01	.2220-01	.2990-01	., 276-02	. 1058-02	. 1422-02	.8370	9.297	559.7
76	3.0000	.25000	33.000	.2040-01	1700-01	.2280-01	.9733-03	.8077-03	.1084-02	01 49 .	7.134	556.9
6	3.0000	.27500	34.000	1560-01	1300-01	.1740-01	.7443-03	.6181-03	. 8299-03	.4920	5.869	554.3
6	3.0000	30000	35.000	.1330-01	.1100-01	10-0841.	.6332-03	. 5261-03	.7051-03	.4200	5.174	552.8
16	3.0000	.32500	36.000	.1380-01	10-0511.	.1540-01	.6571-03	.5459-03	.7316-03	.4360	5.088	552.6
76	3.0000	.35000	37 000	1550-01	.1290-01	1720-01	.7377-03	.6128-03	.8214-03	۰۴890	5.650	552.9
16	3.0000	.37500	38.000	1610-01	1340-01	1800-01	.7688-03	.6387-03	.8560-03	.5100	5.952	552.7
6	3.0000	00004	39.000	.2070-01	1720-01	.2300-01	.9834-03	.8170-03	. 1095-02	.6520	7.651	552.9
6	3.0000	42500	40.000	.2830-01	.2350-01	.3150-01	.1348-02	.1119-02	.1502-02	. 8890	10.47	556.2
6	3.0000	.45000	41.000	.2810-01	.2330-01	.3130-01	. 1338-02	-1111.	.1490-02	0488.	10.05	554.8
6	3.0000	.47500	42.000	.2810-01	.2340-01	.3130-01	.1340-02	.1112-02	.1493-02	.8850	₹08.6	555.3
6	3.0000	.50000	43.000	.3150-01	.2620-01	.3510-01	. 1501-02	. 1246-02	. 1672-02	0166.	10.97	556.0
6	3.0000	.52500	44.000	.3820-01	.3170-01	.4260-01	. 1821 -02	.1511-02	. 2030-02	1.199	13.97	557.4
6	3.0000	.55000	45.000	.4450-01	.3690-01	10-0964.	-2119-05	. 1758-02	.2362-02	1.392	15.39	559.0
76	3,0000	.60000	46.000	.7380-01	.6120-01	.8230-01	.3515-02	.2913-02	. 3920-02	2.298	24,75	562.0
16	3.0000	.65000	47.000	10-0199	.5480-01	.7380-01	.3149-02	.2610-02	.3512-02	2.058	21.64	562.2
62	3.0000	. 70000	48.000	.3200-01	.2660-01	.3560-01	. 1524-02	. 1265-02	. 1697-02	1.007	11.04	555.0
63	3.0000	.75000	49.000	1910-01	1580-01	.2120-01	. 9082-03	.7544-03	. 1011-02	.6020	6.514	552.9
6	3,0000	.80000	50.000	14-20-01	10-0021	10-0191	.6889-03	.5723-03	.7670-03	.4570	4.875	552.5
6	3.0000	.85000	51.000	1190-01	- 3800-05	. 1320-01	.5650-03	.4692-03	.6293-03	.3740	4.602	554.4
6	3.0000	.87501	52.000	.3380-0!	.2800-01	.3770-01	. 1609-02	. 1334-02	.1794-02	1.055	12.95	560.3
61	3.0000	.90000	53.000	. 24 10-01	.2000-01	.2690-01	.1149-02	.9530-03	. 1281-02	0457.	10.41	560.0
16	3.0000	.92500	£.300	.2470-01	.2050-01	.2750-01	-1176-02	.9750-03	.1311-02	0177.	10.03	559.9
6	3.0000	.95000	55.000	.3120~01	.2590-01	.3480-01	.1486-02	. 1232-02	. 1656-02	.9750	9.801	559.4
6	4.0000	.20000	71.000	14160-01	.3450-01	.4673-01	.1989-02	. 1645-02	. 222) -02	1.284	14.47	5,075
76	4.0000	.22500	72.000	.3210-01	.2660-01	.3580-01	.1528-02	. 1265-02	.1706-02	0466.	11.52	565.7
76	4.0000	.25000	73.000	.2330-01	.1930-01	.2600-01	.1110-02	.9196-03	. 1237-02	.7260	8.434	561.8
6	4,0000	.27500	74.000	10-0681.	.1570-01	.2110-01	.9011-03	.7471-03	.1005-02	0165.	7.251	560.4
93	4.0000	.30000	56.000	10-0891.	1390-01	.1870-01	.7979-03	.6623-03	. 8830-03	.526	6.853	556.5
26	4.0000	. 32500	57.000	.1760-01	. 1460-01	10-0961	.8375-03	.6951-03	.9331-03	. 5520	7.190	556.6
97	4.0000	.35000	59.000	.2730-01	.2270-01	. 3050-01	. 1301-02	. 1079-02	. 1450-02	. 8550	11.13	558.5
4	4 . 0000	.37500	59.000	.3610-01	3000-01	.4030-01	. 1721 - 02	. 1427-02	. 1919-02	1.129	14.68	559.7
76	4.0000	0000 *	60.000	14540-01	.3760-01	.5060-01	.2161-02	. 1791 - 02	. 2410-02	1.415	18.38	561.2
6			000					1 1				

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DATE OF	DATE 07 151 75		04-74 (AEDC V4(B-88A) HEATING DATA ON ORBITER FUSELAGE PORT	V418-88A3	HEATING D	DATA ON ORE	IITER FUSEL	AGE PORT S	SIDE			PAGE 273
				OH-7% (AE	XH-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	1) B62C12F1	OMI SWIETE	ZVBR19				(RV8003)
2	TRAVE	x/k	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HITAH	1000	DTHDT	2
NUMBER				R.0.9	R-1.0	R-TAW	BTU/ R	BTU/ R	91U/ R	BTU/	DEG. R	. DEG. R
							FT2SEC	FTZSEC	FTZSEC	FT2SEC) 38/	
8	₩. 690 0	.45000	62.000	.7380-01	.6110-01	.8240-01	.3516-02	-2911-02	. 3925-02	2.283	29.23	566.7
6	4.0000	.47500	63.000	.8780-01	.7250-01	.9820-01	.4182-03	3454-02	-4674-02	2.581	33.61	574.7
28	4.5.300	.50000	64.000	.7340-01	.6060-01	10-0618	.3493-02	.2888-02	.3902-02	2.22.2	27.49	571.3
6	€.3000	.52500	65.000	.5170-01	.4290-01	.5770-01	. 2 464-02	. 2041-02	50-6475.	1.606	19.61	564.2
6	٠,0000	.55000	99.000	.3840-01	.3180-01	.4280-01	. 1829-02	.1516-02	.2037-02	1.201	13.98	558.7
6	4.0000	.60000	67.000	. 1880-01	.1560-01	.2100-01	.8965-03	7446-03	.9983-03	.5940	6.647	553.7
6	₩.000¢	.65000	68.000	. 1260-01	10-0401	10-0041.	.5989-03	.4976-03	.6667-03	.3980	F. 642	552.1
97	4.0000	.70000	69.000	1030-01	.8500-02	10-0411.	.4886-03	.4061-03	.5439-03	. 3250	3.608	550.8
6	4.0000	.75000	70.000	.9200-02	.7600-02	1020-01	.4357-03	.3621-03	4850-03	.2900	3.213	551.5
6	4.0000	.80000	75.000	.4300-05	.3600-02	-4800-0S	.2037-03	. 1692-03	. 2269-03	. 1350	1.622	552.1
97	۴.0000	.85000	76.000	.5000-02	.4100-02	.5500-02	. 2358-03	. 1959-03	.2625-03	.1560	1.846	552.3
76	۴.0000	.87500	77.000	.5100-02	-4200-DZ	.5700-02	. 2419-C3	.2009-03	. 2693-03	.1600	2.088	553.8
76	4.0000	00006	78.000	.6900-02	5700-05	.7600-02	. 3254 -03	.2702-03	.3625-03	.2150	2.770	555.1
97	4.0000	. 92500	79.000	.1280-01	10-0901	.1420-01	.6090-03	5054-03	.6785-03	.4020	4.938	556.6
6	4.0000	.95000	80.000	.1020-01	.8500-02	1140-01	.4852-03	.4027-03	.5407-03	.3200	3.725	556.9

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DATE 07	DATE 07 OCT 75		CH-74 (4EDC V41B-88A)	. V41B-88A)	HEATING	HEATING DATA ON OPBITER FUSELAGE PORT SIDE	SITER FUSEL	AGE PORT S	30			PAGE 274
				0H-74 (AE	DC V418-88	0H-74 (AEDC V418-88A) 8G2C12F10M16M127E52V9R19	10H16H127E	2V8R19				(RVB003)
131 (1890)	ORBJIER FUSELAGE							PARANE	PARAMETRIC DATA			
					BETA	• 2.000	MACH	• 8.000	ELEVON .	0000	P.UDDER .	0000.
					931•••	**************************************						
RUN	MCH	ALPHA DE6.	5 YS	T0 DEG. R	941 066	7AH DE6.	T 030	PS1A	PSIA	V FT/SEC	SLUGS	HU 18-5EC
8	8.000	29.83	907.9	1350.	-88.98	2.000	97.80	.8300-01	3.707	3877.	.7097-04	.7876-07
2	£	HEEL	STN NO									
NUMBER	X10 6	BTU/ R	æ ¦									
88	3.494	.4760-01	.2157-01									
					:	***TEST DATA***	:					
å	20101	\$	2,7	HVHOCE	H/HREF	H/HREF	H(910)	11(10)	H(TAN)	2000	DTMDT	2
NOW N	- LACE	, , , , , , , , , , , , , , , , , , ,	?	R=0.9	R=1.0	R-TAW	BTU/ R	9TU/ R	BTU/ R	BT 0/	DEG. R	0EG. R
							FTZSEC	FT2SEC	FTZSEC	FT2SEC)SEC	
8	1.0000	.27500	1.0000	1770-01	1470-01	10-0861.	8444-03	.7010-03	.9406-03	.5570	5.7.3 5.05	555.0
8 8	0000	30000	2.0000	1490-01	10-05-11	1500-01	64.4-03	.5327-03	.7143-03	0427.	4.337	553.3
3 8	1,0000	.35000	4.0000	1480-01	. 1230-01	. 1650-01	.7068-03	.5869-03	.7872-03	.4670	£.818	553.9
8	1.0000	.37500	5.0000	.1340-01	10-0111	10-06-1	.6383-03	. 5301-03	.7108-03	.4220	4.418	553.3
88	0000	*0000 *	6.0000	2030-01	1690-01	10-0725.	.9581-03	.0-/508. .7714-03	.1035-02	.6.30	6.311	555.8
R 8	0000	00004	8.0000	.2270-01	1890-01	.2530-01	. 1083-02	.8964-03	.1205-02	.7130	7.235	556.9
8	0000.1	. +7500	9.000	.2000-01	. 1660-01	.2230-01	.9533-03	.7912-03	. 1062-02	.6280	6.350 P. 956	556.2
8	1.0000	.5000	10.000	.2180-01	1810-01	2220-01	1038-02	. B618-03	538-02	90706	9.120	557.9
3 78	1.0000	00035	000.61	2860-01	.2370-01	.3190-01	. 1362-02	1130-05	.1518-02	. 8960	8.930	557.4
R 8	0000	. 60000	13.000	.4360-01	.3610-01	10-0984	.2076-02	.1720-02	.2316-02	1.354	13.59	562.6
8 8	1.0000	.65000	14.000	.6690-01	.5540-01	.7463-01	.3183-02	.2635-02	.3552-02	2.067	20.70	565.7
8	1.0000	.70000	15.000	.6300-01	.5220-01	.7030-01	2999-05	2482-02	.3347-02	9.6	. 80 . 80 . 10 . 10	565.2
8	1.0000	.75000	16.000	.4730-01	.3920-01	.5280-01	. 2253-02	. 1867-02	2513-02	1/4.1	. t. d	305.c
8	1.0000	. 80000	17.000	.3210-01	.2660-01	.3580-01	50-756	70-20-07	-01-10-10-10-10-10-10-10-10-10-10-10-10-	5570	6.495	556.4
8	2.0000	28500	900.00	10-08/1	10-0921	10-0161	50-404D.	5427-03	8618-03	5110	5.985	555.0
88 8	2.0000 9.0000	33700	19.000	2800-01	10-0561.	3120-01	.1332-02	.1105-02	1484-02	.8760	10.26	557.1
R 84	2.0000 2.0000	.42600	21.000	3200-01	.2650-01	.3570-01	.1523-02	. 1263-02	. 1698-02	.9980	19.11	559.5
8 8	2.0000	.47800	22.000	.3620-01	.3000-01	10-04047	.1723-02	. 1429-02	. 1921-02	1.129	12.48	559.7

DATE 07	DATE 07 OCT 75		OH-74 (AEDC	04-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	HEATING D	ATA ON ORB	ITER FUSEL	AGF PORT S	30			PAGE 275
				04-74 (AEC	OH-74 (AEDC V418-88A) BG2C12F1OH1GHIZ7E5ZVBR19) B62C12F1	OM16W127E5	2VBR19				(RVB003)
	!	;	9	330777	7/FBCE	H/HBEE	H(910)	н(10)	HCTAN	1000	DTMDT	2
N S	TRALE	XY	2	R.0.9	R-1.0	R-TAH	91U/ R	BTU/ R	9TU/R	BTU/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FT2SEC	FT2SEC	756	
8	2.0000	.53000	23.000	.6220-01	.5140-01	.6940-01	2959-02	.244B-02	.3302-02	1.917	21.11	900. 8.000.
8	2.0000	.56700	₹.000	.7030-01	.5810-01	.7850-01	.3347-02	.2768-02	.3738-02		. S. 10	E. E. E. E. E. E. E. E. E. E. E. E. E. E
8	2.1.300	.62000	25.000	.4450-01	.3690-01	.4960-01	-2117-02	1754-02	.2362-02	0380		559.2
8	2.3000	.67000	26.000	.2690-01	.2230-01	10-0662.	50-67-51	. 10e0-0e	20-050	0600.	. היים היים היים	557.6
8	2.0000	.70500	27.000	10-0-61.	.1610-01	10-0912	.9230-03	50-7597.	20-5201.	0/001	. K	5.55.7
8	2.0000	.75000	28.000	1540-01	10-0/21	10-01/1	. /310-US	20000 E	E0-8012	200	t.604	556.5
8	2.0000	00000	29.000	1340-01	10-0111.	10-05+1.	50-0461	1609-03	.2162-03	. 1270	1.761	558.3
8 8 (2.0000	00000	30.000	30-0014.	2900-01	10-0-04	.1723-02	.1425-02	. 1923-02	1.14	11.67	568.4
8 7 8	3.0000	0000	31.000	3080-01	.2550-01	.3440-01	.1468-02	. 1215-02	.1638-02	9540	10.57	564.9
R 8	3.000	86.5%	33.000	.≥410-01	.2000-01	.2690-01	.1149-02	.9529-03	. 1281-02	.7530	8.360	560.0
RS	2000	. 27500	٠.000 م	1890-01	1570-01	.2100-01	.8979-03	.7450-03	.1001-02	.5900	7.025	557.4
8 8	3.0000	30000	35.000	1800-01	10-0641.	.≥000-01	.8557-03	.7102-03	.9534-03	.5640	6.937	2.00.0
8	3.0000	32500	36.000	1700-01	10-0141.	10-0681	.8092-03	.6717-03	.9014-03	.5340	6.263	330.3
8	3.0000	35000	37.000	.2750-01	.2280-01	.3070-01	.1310-02	. 1087-02	50-55-17	2 6	9.30	2.75 a a a a
8	3.0000	.37500	38.000	.3280-01	.2720-01	.3650-01	. 1560-02	20-4621.	1739-02		¥ 8	250.0
8	3.0000	00004	39.000	10-0014.	3400-01	.4570-01	. 1952-02	1619-06	20-1/12.	150	14.50	552.5
8	3.0000	.42500	40.000	3700-01	3070-01	.4130-01	.1764-Uc	50-00cE	30-00-00	738	19.61	563.7
88	3.0000	. 45000	41.000	.5600-01	10-0494	10-00-01	20-0002.	30-00-05- 35-00-02-02-	70-C/63.	9.0.5	22.17	568.7
8 7	3.0000	.47500	₩2.000	.6550-01	10-0245	. /360-01	3113-06	20-080-05	2855-02	1.664	18.35	564.5
8	3.0000	. 50000	43.000	.5380-01	10-0544	10-000	50-8651	50-21-17	1927-02	1.132	13.16	560.1
88	3.0000	.52500	000 · s	10-0505.	10-0105	10-050-	1298-02	-1077-02	1447-02	.8520	9.425	558.6
88	3.0000	.55000	45.000	10-05/5	10-0364	16-0-21	7155-03	5939-03	.7972-03	.4720	5.094	555.9
8	3.0000	. 50000	2000 cg :	10-0061	7200-02	10-0-01	4432-03	3680-03	.4937-03	.2930	3.088	554.7
88 8	3.0000	.62000	000.00	50-0056.	5700-02	7700-02	.3273-03	.2718-03	.3645-03	.2160	2.375	553.7
8 1	3.0000	0000/	000.00	50-0016	59-00-05	20-0062	.3360-03	.2790-03	.3742-03	. 2220	2.404	553.5
8 8	3.0000	0000	יים היים היים	50-00-62	4300-02	.5800-02	.2452-03	.2044-03	.2742-03	. 1630	1.733	324.4
R 8	3.0000	02009	000	8600-02	7100-02	.9500-02	.4073-03	.3377-03	.4540-03	.2670	3.277	559.7
R 8	7.0000	00000	25.000	.B500-02	.7100-02	.9500-02	.4061-03	.3367-03	.4528-03	.2660	3.262	560.6
R S	0000	00006	53.000	1180-01	- 3800-02	. 1320-01	.5639-03	.4673-03	.6289-03	.3680	5.082	961.9
R 8	2000	000	94.000	. 1670-01	.1380-01	. 1860-01	. 7953-03	.6590-03	. 8670-03	.5190	5.739	, o
R 8	3.0000	95000	55.000	. 1820-01	1510-01	.2030-01	.8659-03	.7179-03	. 9654-03	.5670	5.697	350.0
8 8	0000	20000	71.000	10-0644	.3700-01	.5023-01	.2137-02	.1763-02	. 2390-02	.362	15.50	6.770
R 8	0000	. 22500	72.000	.3270-01	.2700-01	. 3650-01	. 1555-02	. 1285-02	-1737-02	. 00.	96.1. 66.1.	2.1/0
8	\$.0000	25000	73.000	.2630-01	.2180-01	.2940-01	. 1253-02	. 1037-02	.1399-02	25.50	2 . C	9 4
8	4.0000	.27500	7₹.000	.≥¥30-01	.2010-01	.2710-01	. 1156-02	50-1756.	20-0621.	7090	5000	2.092
8	4.0000	30000	36.00 ¢	.2270-01	10-0881	.2530-01	-1082-02	. B972-03	50-7-16	90%	16.19	565.7
8	₹.0000	.32500	57.000	10-0303	.3350-01	14510-01	50-4-61	20-88CI.	50-1715	4	23.57	572.4
8	۰، 0000	. 35000	58.000	.5960-01	10-0264.	10-0999	20-285R2.	50-7561	25-825		₹.6	566.9
8	4.0000	.37500	59.000	10-0184	10-0266	10-0/55	. 1563-02	1294-02	. 1743-02	1.018	13.21	563.4
8 8	. 0000	00001	50.000	2660-01	.2210-01	2970-01	. 1267-02	. 1050-02	.1413-02	.8290	10.77	561.2
R	* . UCCC	annur.	?									

DATE 07 OCT	7 OCT 75		OH-74 (AEDC V418-88A)	V418-88A)	HEATING C	DATA ON OR	HEATING DATA ON ORBITER FUSELAGE	PORT	S10E			PAGE	276
				OH-74 (AEC	C V418-88/	N BESCIEF	04-74 (AEDC V418-88A) 862CIZF10M164127E5ZVBR19	SZVBR19				(RV5093)	1631
3	TRANE	x/L	1/C ND	H/HREF	H/HREF	H/HPEF	H(910)	нс 10)	HCTAN	D	DTMDT	7	
MUMBER				R=0.9	R-1.0	R-TAH	BTU/ R	BTU, R	BTU/ R	BTU/	DEG. R	DEG.	~
							FT2SEC	FT2SEC	FT2SEC	FTZSEC	/SEC		
8	۴.0000	. 45000	62.000	10-0691	10-00-1.	1880-01	. 8035-03	.6563-03	.8957-03	.5270	6.773	528.2	
88	4.0000	.47500	63.000	1180-01	-9760-02	13:0-01	. 5594-03	.4840-03	.6234-03	.3680	4.646	557.9	
8	¥. F.300	.50000	64·000	.8300-02	50-0069.	.9300-02	. 3966-03	. 3291-03	.4419-03	.2610	3.212	526.5	
8	4. J000	.52500	65.300	. 7000-02	.5900-02	.7700-02	.3309-03	.2747-03	.3687-03	.2180	2.684	955.8	
8	4.0000	.55000	66.000	20-0009	.5000-02	.6700-02	. 2853-03	.2389-03	.3178-03	. 1880	2.196	555.0	
8	€.0000	.60000	67.000	S0-00E+.	. 3600-02	-4800-05	.2057-03	.1708-03	.2291-03	. 1360	1.523	553.7	
8	٠,0000	.65000	69 .000	. 3300-02	50-0075.	.3700-02	.1570-03	. 1304-03	.1748-03	0,01.	1.213	553.2	
88	۰۰ ۵۵۵۵	.70000	69.000	S-00-05.	.2000-02	50-0075.	.1165-03	.9679-04	. 1298-03	.7700-01	.8560	952.9	
8	€.0000	.75000	70.000	. 1900-02	. 1 300-02	20-0012.	·0-2668·	.7470-04	. 1001-03	.6000-01	.6610	552.3	
8	₹.0000	00008	75.000	50-0075.	.20.00-02	. 3000-02	.1264-03	.1050-03	.1408-03	.8400-01	1.002	553.5	
8	4.0000	.85000	76.000	-4500-C2	.3€ 30-02	5100-05	.2164-03	.1796-03	.2410-03	. 1430	1.683	554.9	•
8	4 . 0000	.87500	77.000	50-00%	20-0044.	.6000-02	.2552-03	.2118-03	2843-03	. 1680	2.187	556.8	
8	. 0000 €	00006	78.000	5700-05	-470C-DZ	-6400-05	.2716-03	. 2253-03	.3027-03	.: 780	2.296	557.8	
8	4.0000	.92500	79.000	.6300-02	5200-05	.7000-02	.3006-03	.2494-03	.3351-03	.1980	2.428	557.9	
8	٨.0000	95000	80.000	.6500-02	5400-05	.7200-02	.3087-03	.2561-03	.3441-03	.2030	2.360	558.3	

4	1

Chief Chie	DATE 07	DATE 07 OCT 75		OH-74 (AEDC 1418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	: W18-B8A1	HEATING	DATA ON OR	BITER FUSE	LAGE PORT	3015			PAGE 277
##EF STA PO DEC. R DEC. DEC. DEC. DEC. DEC. DEC. DEC. DEC.					OH-74 (AE	DC V418-88	9A1 862C12F	10M16W127E	:52v8R19				(RVB003)
##CH #APM PO TO PHI YM T P P O PGO N POOR PGO N	131 18HO	R FUSE, AGE							PARAH	ETRIC DATA			
##CH ALPA, PO 10 PHI YM TWO RD 1 PPI A PSIA F1/SEC SLUGS ##CO 18.86 864.3 13v7. 166.7 -2.300 \$7.60 .8900-01 3.966 3873. 7810-0v ##CO 18.86 864.3 13v7. 166.7 -2.300 \$7.60 .8900-01 3.966 3873. 7810-0v ##CO 19.86 864.3 13v7. 166.7 -2.300 \$7.60 .8900-01 3.966 3873. 7810-0v ##CO 10.000 2.000 8.000-02 8.000-02 1070-01 4.781-03 4.782-03 4.782-03 13v6 ##CO 2.000 8.000-02 8.000-02 1070-02 8.900-02 1395-03 4.782-03 4.782-03 13v6 ##CO 2.000 8.000-02 8.000-02 1070-02 8.900-02 1395-03 4.782-03 8870 5.793 ##CO 3.000 8.000-02 8.000-02 1070-02 8.900-02 1395-03 4.782-03 8870 5.793 ##CO 3.000 8.000-02 8.000-02 1070-02 8.900-02 1395-03 4.782-03 8870 5.793 ##CO 3.000 8.000 8.000-02 1070-02 8.900-02 1395-03 4.782-03 8870 5.793 ##CO 3.000 8.000 8.000 8.000-02 1070-02 1970-02 1970-03 4.782-03 8870 5.793 ##CO 3.000 8.000 1.1000 1.100-01 1.10						BETA	•			ELEVON		RUDDER	
Nuclear Nucl						•••169	57 COMD1710	S H					
CCC FS1A CCC R CCC R CCC CCC R C	\$		ALPHA	2	5	Ī	YAH	-	e.	o	>	Ę	£
18.00 19.0	NUBER		DE 0.	6 51≻	DEG. R	DEO.	DE0.	DE0. R	₽SI ¥	PS:	FT/SEC	Scues	18-SEC
### 1725C	Ķ	9.000	20.00	8	1347.	166.7	-2.300	97.60	10-0069.	3.966	3873.	.7610-04	.7858-07
1.0000	\$	FBV/L	HEE	STN NO									
3.750 (1922) (2003-0)	NUMBER	8 01x	8TU/ R	. .									
TRACE X/L 1/C MG MANAGE MANAGE H19TO) H1TO) H1TAM) GDDT DTHOT THA BTUL R-0.9 R-1.0 R-1AM BTUL R BTUL	Z	3.750	.4921-01	. 2083-01									
TRACE X/L T/C MO M/HBEF H/HBEF						•	TEST DATA	;					
Fig. 600 Fig. 600	\$	TRACE	۲,	1/C NO	H/HREF	H/HBEF	H/HREF	H(910)	H(T0)	HCTAN	1000	DTMDT	7
1.0000 27500 1.0000 9600-02 1070-01 4718-62 5738-6-03 5246-03 3160 3.275 1.0000 2.0000 2.0000 6700-02 6200-02 3867-03 3756-03 3756-03 3766	MUMBER	•			R=0.9	R-1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
1.0000	(,			;			FTRSEC	FT2SEC	FTZSEC	FTZSEC	/SEC	
1.0000	Z Z	0000	20000	- 6000 - 6000	9600-02	-80008. -0-00-62	10-0701.	.4718-03	. 3928-03	.5246-03	.3160	3.275	න දැක් වේක්
1.0000	Z	0000	32500	3.0000	.7500-02	.6200-02	.8300-02	.3667-03	.3054-03	.4077-03	2,60		2,5
1.0000	£	0000 1	. 35000	4.0000	. 8000-02	-6700-02	8900 05	.1933-03	.3275-03	.4372-03	.2640	2.736	41.7
1.0000	Z	1.0000	37500	5.0000	.7900-02	.6600-02	.8800-02	. 3900-03	.3247-03	.4336-03	.2610	2.745	542.8
100000	r i	0000.	00004	6.0000	-00-05.	- 7000- 02 - 0000	.9300-02	.4132-03	. 3440-03	.4594-03	0775.	8.8 4	545.4 1
1,0000 9,0000 1 1,0000 5,0000 1 1,0000 5,0000 1 1,0000 5,0000 1 1,0000 5,0000 1 1,0000 5,0000 1 1,0000 5,0000 1 1,0000 1,0000 1 1,0000 5,0000 1 1,0000 1,0000 1 1,0000 1,0000 1 1,0000 1,0000 1 1,0000 1,0000 1 1,0000 1,0000 1 1,0000 1,0000 1	2 2	999.	140000	7.0000	50-05-05-	7200-05	50-00-05	- 4564-03	. 35/5-03	.4764-03	0.787.	2.972	543.1
10000 5000 10000 11360-01 1130-01 1510-01 5571-03 7448-03 4470 4.520 11000 10000 1100000 1100000 1100000 1100000 1100000 1100000 110000 110000 110000 110000 110000 110000 1100000 1100000 1100000 1100000 1100000 1100000 110000 110000 110000 110000 110000	: Z	1.000	. 47500	9.000 9.0000	1300-01	1080-01	10-00-01	6381-03	5309-03	. 7098-03	0/54	5,075	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1.0000 .65500 11.000 .1770-01 .1970-01 .1970-01 .1970-01 .1970-01 .1970-02 .286-03 .969-03 .5800 .1000 .5900-03 .1000 .5900-03 .1000 .5900-03 .1000 .5900-03 .1000 .5900-03 .1000 .5900-03 .1000 .5900-03 .1000 .5900-03 .1000 .5900-03 .1000 .5900-03 .1000 .5900-03 .1000 .5900-03 .1000 .5900-03 .1000 .5900-03 .1000 .5900-03	7	1.0000	.50000	10.000	.1360-01	.1130-01	. 1510-01	.6696-03	.5571-03	7+48-03	.4470	4.520	545.3
1,0000 155000 12,000 13	Z	0000.1	. 52560	11.000	10-0771.	1470-01	10-0/61.	.8713-03	.7246-03	.9694-03	.5800	5.861	547.0
1.0000	£	0000.1	.55000	12.000	10-0961	.1630-01	.2180-01	.9622-03	.8001-03	.1071-02	.6400	604.9	47.4
1.0000 . 65000 14.000 .5290-01 .4390-01 .5893-01 .2601-02 .2159-02 .2898-02 1.711 17.24 1.0000 .57000 15.000 .4310-01 .3570-01 .4800-01 .2121-02 .1759-02 .2354-02 1.388 13.47 1.0000 .70000 15.000 .1760-01 .1470-01 .1950-01 .2121-02 .2554-02 .2554-02 1.388 13.47 1.0000 .770000 17.000 .17000 .1070-02 .5100-02 .6800-02 .3012-03 .2556-03 .3552-03 .2000 1.0000 .28550 1.0000 .1127-01 .4964-03 .4133-03 .5556-03 .3330 3.905 2.0000 .33700 19.000 .9700-02 .8100-02 .1080-01 .4964-03 .4033-03 .5331-03 .3252 3.803 2.0000 .39000 .20.000 .9800-02 .0900-02 .0900-01 .4964-03 .4033-03 .5381-03 .3250 3.899 2.0000 .9800-02 .0900-02 .0900-01 .4964-03 .7870-03 .1625-03 .3250 3.899 2.0000 .9800-02 .0900-02 .0900-01 .4964-03 .7870-03 .1625-03 .3250 3.899	ŗ	1.0000	.60000	13.000	.2350-01	10-0561	.2620-01	.1157-02	.9612-03	. 1288-02	. 7660	7.732	520.5
1.0000 .70000 15.000 .4310-01 .3570-01 .8121-02 .1759-02 .2354-02 1.389 13.47 1.0000 .70000 16.000 .1760-01 .1470-01 .1960-01 .8677-03 .7212-03 .9658-03 .5750 5.812 1.0000 .80000 18.000 .1010-02 .5100-02 .8000-02 .3012-03 .3552-03 .3552-03 .3000 22.0000 .80000 .80	ř i	1.0000	. 65000	24.000	5290-01	.4390-01	.5890-01	.2601-02	.2159-02	. 2898- 02	1.711	17.2	5.4.5 5.4.5
1.0000 17.000 17	2 2	1.0000	75000	13.000 14.000	10-0154	. 35.70-01	10-0084.	-1515.	50-61-61-61-61-61-61-61-61-61-61-61-61-61-	. 2364 - 02 0cto . 02	.388	13.47	557.8
2.0000 .28500 18.000 .1010-01 .8400-02 .1120-01 .4964-03 .4133-03 .55.8-03 .3330 3.906 2.0000 .33700 19.000 .9760-02 .8100-02 .1080-01 .4798-03 .3996-03 .5333-03 .3223 3.803 2.0000 .39000 20.000 .9800-02 .8200-02 .1090-01 .4942-03 .4033-03 .5381-03 .3250 3.839 2.0000 .38000 20.000 .19, u-01 .1605-01 .2140-01 .9458-03 .7870-03 .1052-02 .5310 7.398	, _F	0000	. 80000	17.000	6100-02	50-00-6	.6800-02	3012-03	10-50K	1362-03		220	- 0
2.0000 .33700 19.000 .9700-02 .8100-02 .1080-01 .4798-03 .3996-03 .3333-03 .3223 3.803 2.0000 .39000 20.000 .9800-02 .0200-01 .4842-03 .4033-03 .5381-03 .3250 3.839 2.0000 .42600 .21.000 .19.4-01 .1055-01 .9458-03 .7870-03 .1052-02 .5310 7.398	2	€.0000	20500	18.000	10-0101	20-00-8	1120-01	.4964-03	.4133-03	.55.8-03	.3330	3.906	6. <u>-</u>
2.0000 .39000 20.000 .9800-02 .8209-02 .1900-01 .4842-03 .4033-03 .5381-03 .3250 3.839 2.0000 .42500 21.000 .19, 4-01 .16-3-01 .21-0-01 .7898-03 .7870-03 .152-02 .5310 7.338	Z	2.0000	.33700	19.000	-87 60-02	.8100-02	.1080-01	.4798-03	.3996-03	.5333-03	. 3220	3.803	0. 1. 1.
**Z600 21.000 19.4-01 1655-01 2140-01 94-58-03 7870-03 1052-02 5310 7.398	ζ,	2.0000	39000	20.000	.9800-02	. 8200-02	10-0601	.4842-03	.4033-03	.5381-03	.3250	3.839	540.7
	Z	2.0000	. 42600	21.000	10-2 61.	1605-01	.2140-01	.9458-03	. 7870-03	.1052-02	.6310	7.398	6.35

DATE 07 OCT	OCT 75		01-74 (AEDC	04-74 (AEDC V418-88A)		HEATING DATA ON OPBITER FUSELAGE PORT	HTER FUSEL	AGE PORT S	305			PAGE 278
				OH-76 (AE)	0H-74 (AEDC V418-88A) BGECLEF10H18A127ESZY8A19	n Beeclaf	OMIGNIZTES	278619				(RVB003)
ě	,	Š	9	מייישבנ	חיויםכנ	n/nore	(CTOTAL	, (A)	LI TALLI	1000	TONTO	2
K A		,	2	8-0.0	R-1.0	R-TAH	BTU/ R	81U/ R	BTU/ R)))	DEG. R	DEG. R
							FTZSEC	FTZSEC	FTZSEC	FYZSEC	/SEC	
ŗ	2.0000	53000	23.000	3520-01	. 2920-01	.3920-01	. 1732-02	. 1439-02	.1929-02	1.146	12.72	550.8
K	2.0000	.55700	₹.900	.6240-01	.5180-01	10-0969	.3072-02	.25¥7-02	20-元あ.	P.010	21.69	558.0
£	2.C300	.62000	23.000	10-0244	. 3670-01	.4920-01	20-1713.	.1804-02	. 2422-02	1.430	15.46	5. To
K	2.3000	67000	26.000	. 1650-01	1370-01	1830-01	.8102-03	.6738-03	.9015-03	.5390	5.848	£7.1
Ļ	2.0000	. 70500	27.000	1120-01	.9300-02	.1250-01	.5512-03	.4586-03	.6131-03	.3680	3.954	345.3
ŗ	2.0000	.75000	28.000	.7100-02	.5900-05	. 7900-02	.3508-03	.2921-03	. 3901-03	. 2350	2.578	£3.1
K	2.0000	.80000	29.000	5900-05	.4900-D2	.6500-02	.28%-03	. 2409-03	.3218-03	. 1930	٠. ي الم	9.5.8
ķ	€.0000	.82400	30.000	.2300-02	. 1900-02	.2600-02	.1152-03	₽-676.	. 1281-03	.7700-01	1.067	546.0
ŗ	3.0000	.20000	31.000	.2350-01	10-0561	.2620-01	.1157-02	.9608-03	. 1288-02	7640	8.070	552.0
ŗ.	3.0000	.22500	32.000	. 1970-01	1640-01	.2200-01	.97:6-03	.8077-03	. 1081-02	.6450	7.208	5.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
£	3.0000	.25000	33.000	10-09+1	. 1210-01	. 1620-01	.7162-03	.5961-03	. 7965-03	.4790	5.361	25.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
£	3.0000	27500	. 000 1	1130-01	-00-05	. 1250-01	5554-03	.4626-03	.6174-03	. 57.30	471	2.1.5
£	3.0000	.30000	32.030	10-010-01	-00-05	10-0211.	4978-03	1,147-03	. 5532-03	3330	2 :	338.8
£	3.0000	.32500	36.000	10-0111	.9200-02	. 1230-01	. Strk-03	.4535-03	.5049-03	. 3550	4.301	5.650
ŗ	3.0000	35000	37.000	20-00 66 .	.8300-02	1100-01	.4867-03	.4071-03	.5431-03	. 3290	3.820	559.9
*	3.0000	37500	38.000	1610-01	13+0-01	10-0641.	.7929-03	.6603-03	. 8815-03	.5320	6.242	7.75
£	3.0000	0000 ↑ .	39.000	.2330-01	10-0-61	10-0652	.1148-02	.9557 -03	. 1276-02	.7670	9.0.6	543.7
£	3.0000	.42500	40.000	.2500-01	.2080-01	.2780-01	. 1231-02	. 1024-02	. 1369-02	.8200	9.715	5.7.
K	3.0000	.45000	41.000	3450-01	.2870-01	.3840-01	. 1699-02	1413-02	. 1890-02	1.130	12.88	5.7.5
£	3.0000	.47500	42.000	.5160-01	.4280-01	5740-01	.2537-02	-2107-02	. 2826-02	1.673	18.55	553.
K	3.0000	.50000	43.000	.6400-01	.5310-01	.7130-01	.3150-02	.2612-02	. 3511-02	2.060	22.78	558.3
Z	3.0000	. 52500	000 ss	.5540-01	.4590-01	.6180-01	.2726-02	.2261-02	3039-05	- 4 6	20.78	557.8
ŗ	3.0000	.55000	45.000	.3780-01	.3140-01	19-0124.	. 1 86 0-02	1545-08	-2071-02	1.229	13.63	551.7
K	3.0000	.60000	46.000	10-041.	. 1220-01	. 1640-02	.7244-03	.6028-03	.8057-03	4840	5.25 5.25 5.25	7:35
K	3.0000	.65000	47.000	1030-01	.8600-02	10-041.	.5059-03	.4211-03	.5626-03	.3380	3.588	¥3.8
£	3.0000	.70000	48.000	.6800-02	.5700-02	. 7600-02	.3343-03	.2783-03	.3716-03	.2240	2.472	542.4
K	3.0000	75000	48.000	50-002h,	.3500-02	£0-0074.	.2074-03	. 1727-03	.2306-03	. 1 390	1.514	7.15
£	3.0000	.80000	50.000	.4300-0 2	. 3600-02	-4R00-02	.2119-03	.1764-03	.2353-03	. 1420	1.522	542.3
ŗ	3.0000	.85000	51.000	.3000-02	-5200-05	.3300-02	. 1469-03	. 1222-03	. 1634-03	10-0086	1.209	156.35
K	3.0000	.87501	25.000	.4800-05	-000h.	.5300-02	.2364-03	. 1965-03	.2630-03	. 1570	٠. وغ	6.73
£	3.0000	.90000	53.000	.6200-02	.5100-05	-6900-02	. 3037-03	2524-03	.3380-03	. 2020	2.799	7.8.7
K	3.0000	.92500	₹. 000	.6700-0 <i>2</i>	.5500-05	- 00 ·· C	. 3284-03	.2730-03	.3654-03	.2180	2.850	3. mg.
K	3.0000	95000	55.000	. 9200-02	.7600-02	. 1020-01	.4518-03	.3756-03	.5028-03	.3000	3.031	\$.035 0.05
£	4.0000	.20000	71.000	3140-01	.2500-01	.3503-01	. 15+5-02	. 1281-02	. 1723-02	1.0.1	94	558.3
K	. 0000	.22500	72.000	.2430-01	.2020-01	.2710-01	. 1198-02	.9950-03	1334-02	0167.	9.237	552.1
K	. D000	25000	73.000	. 1620-01	.1520-01	.2030-01	.8980-03	. 7464-03	.9994-03	.5960	6.970	5.8.7
£	4.0000	.27500	۰۰۰۰۰۰۰۰۰۰۲	10-044:	. 1230-01	. 1640-01	.7250-03	.6031-03	.8065-03	.4830	5.972	546. 7
K	. 0000	. 30000	56.000	.1200-0.	10-0001.	1340-01	.5918-03	.,326-03	.6530-03	.3960	٠. يو	542.9
K	4.0000	.32500	57.000	10-0871.	1480-01	10-0661.	.8767-03	. 7297-03	.9748-03	.5860	7.686	SE3.50
£	4.0000	.35009	50,000	.3350-01	.2780-01	.3720-01	.1647-02	.1369-02	. 1833-02	3.035	14.28	540.
ř	0000	37500	59.000	.5280-01	10-085	10-0895	.2597-02	.21E.5-02	. 2893-02	1.710	22.30	553.9
K	4.0000	, 40000	60.000	.5880-01	.4870-01	.6550-01	.2892-02	.2397-02	. 3225-02	1.885	¥.50	560.↓
£	• . 0000	.42500	61.000	10-0124	.3580-01	.4800-01	.2122-02	.1762-02	.2363-02	00 ↑ . I	. 2 6	925.8

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から、これでは、これでは、1990年のでは、1990年のでは、1990年の日本ので

DATE 87 OCT	7 OCT 75		3 K-18	AEOC Y	0H-74 (AE.OC V41B-88A)	HEATING DATA ON JUBITER FUSELAGE PORT	ATA ON JOS	HTER FUSEL		3015			F.:0E	279
				ð	T-7 (AED)	0H-74 (AEDC V418-88A)	1 8620125	BESSIZFIONIGNIZTESZVBRIG	\$2VBR19				(RVB	(RVB003)
Ş	TRATE	×	T/C NO	-	HHEEF	H/HREF	H/HREF	H(910)	H(10)	HCTAN	.iog	OTMCT	2	
KLEER				uc	6.0-	R-1.0	R-TAW	BTU/ R	BTU/ R	BTU/ A	BTU/	DE0. R	OEG.	œ
								FT2SEC	FT2SEC	FTZSEC	FTZSEC	7560		
ŗ	*.000	.+5000	6 2.000	•	10-016	•	.2610-01	1154-02	. 9599-03	1204-02	.7690	9.943	546.2	
K	¥.0000	.×7500	63.000	•	340-01	-	1710-71	.7567-03	.6296-03	.8+16-03	.5050	6.425	545.0	
£	4.000	. 50000	64.000	•	050- 01	-	.1160-01	.5144-03	.4282-03	.5720-03	.3440	4.260	543.4	
£	*. JOOO	.52500	65.000	•	20-005		- 8800-05	. 3895-03	.3242-03	.4331-03	.2610	3.226	9£3.4	
£	*.0000	.55000	66 000	•	20-000	•	.7700-02	. 3426-03	. 2852-03	. 3809-03	.2593	2.691	545.9	
ŗ	4.0000	.60000	57.000	•	20-002	-	. 58 -00-02	.2572-03	.2141-03	.2859-03	.1720	0+6.1	542.4	
ŗ	¥.0000	.65000	69 .000	•	4000-0S	. 3363-02	-00Sh	. 1976-03	. 1645-03	.2197-03	. 1320	1.554	542.3	
K	4.0000	.70000	69.000	•	20-002	-	20-0052	. 1096-03	.915g-G.	.1219-03	.7309-01	.8180	9.54°	
Ļ	*.0000	75000	300 . DC	•	300-02	•	.1500-02	.6468-04	.5386-04	.7189-04	.4300-01	9 7 63.	3. 1. 2.	
Ž.	0000	. 80000	75.000	•	300-05	•	.1400-02	.6330-04	.5269-04	.7039-04	.42C0-03	.5100	543.5	
ķ	¥.0000	. 85000	76.000	•	500-02	-	.1700-02	.7677-04	.6388-04	.8537-04	.5160-01	.6080	D. 7.50	
ŗ	*. G000	.87500	77.000	•	20-009	-	. 1800-02	.8083-04	.6726-04	.6990-04	10-03AG	0707.	544.7	
ŗ	4. D000	.93000	78.000	•	¥00-05	-	£700-02	.1175-03	.9773-04	. 1307-03	.7800-01	1.014	545.2	
Ķ	4.0000	.92500	24.000	•	300-02	•	2500-02	. 1135-03	-8778.	. 1233-03	10-0056	1.292	372.0	
K	₹.0000	.95000	80.000	Ľ,	×00-05	. 2000-002	£700-05	. 1193-03	₩-×266.	.1327-03	.7900-01	.9310	546.3	

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REPRODUCIBILITY OF THE URIGINAL PAGE IS POOR

DATE 07	DATE 07 OCT 75		OH-74 (AEDC V418-88A)	V418-88A)	HEAT ING	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	IITER FUSEI	AGE PORT S	IOE			PAGE 280
				OH-74 (AE	DC V418-88	04-74 (AEDC V418-88A) BG2C12F10M16H127E52VBR19	OMIGHIETE	52VBR19				(RV8003)
ORBITER	ORBITER FUSELAGE							PARAME	PARAMETR C DATA			
		,			8ETA	• 2.000	MACH	• 8.000	ELEVON .	. 0000	RUDOER .	0000
					531 • • •	***TEST CONDITIONS***						
i	ě		8	Ş	ž	KAY.	-	۵	ø	>	£	£
NCHBER	1867	DEO.	PSIA	DEG. R	DEG.	DE0.	DEG. R	PSIA	PSIA	517SEC	SLUÇ. FT3	LB-SEC /FT2
Ŕ	8.000	29.83	867.3	1348.	-90.02	2.000	97.70	10-0068	3.980	3874.	.7631-04	.7864-07
2	F.	HPEF	STN NO									
NUMBER	X10 6	81U/ R	Ł.									
ጆ	7FT 3.759	FT25EC .4931-01	. 2080-01									
					:	***TEST DATA***	:					
8	TDACE	X	1/C ND	H/HREF	H/HREF	H/HREF	H(970)	H(70)	HCTAH	1000	DTMDT	7
N. P. C.		!	ļ •	R=0.9	R-1.0	R-TAM	BTU/ R	87.V. R	ate, R	BTU/	0EG. R	OE6. R
							FT2SEC	FT2SEC	FTZSEC	FT2SEC	75.5	
£	1.0000	.27500	1.0000	1670-01	. 1390-01	10-0981	.8239-03	.6854-03	.9166-03	. 5490 6490	5.586 	
27	1.0000	. 30000	2.0000	10-0241.	10-0811	10-0851.	.7006-93	.5829-03	.7794-03	. 4670		מים ש
ኤ	1.0000	.32500	3.0000	.1270-01	10-0901	. 1410-01	.6268-03	. 5216-03	50-5769.	26.4	4.030 616	1 30 mg
ن 5	1.0000	.35000	.0000	1360-01	10-0511.	10-0161	6360-03	5290-03	. 7075-03	0,7%	4.48	546.7
ር አ	0000.	00004	9.000	10-0505.	1700-01	.2280-01	.1010-02	.8399-03	.1124-02	.6720	6.879	548.5
G K	0000	00554	7.0000	1920-01	1590-01	.2130-01	. 9444-03	. 7850-03	. 1051-02	.6270	6.479	5.69.3
; K	1.0000	45000	8.0000	.2290-01	1910-01	.2550-01	. 131-62	.9401-03	. 1259-02	.7500	7.644	549.9
K	1.0000	.47500	9.0000	10-0961	. 1630-01	10-0815.	.9667-03	.8034-03	50-501.	0.49.	6.631	550.3
ħ.	1.0000	.5000.	10.000	10-0105.	10-0/01	10-0402 2050-01	1441-02	50-96-1	1604-02	.9520	9.596	552.6
ኤ ነ	0000	55500	000.	10-0789	2380-01	3190-01	1413-02	1173-02	. 1573-02	93+0	9.338	551.9
٤ ۽	0000.	מסטני.	2000	10-016-4	3510-01	10-01/4.	2084-02	.1728-02	.2323-02	1.366	13.74	557.7
δ ‡	0000	65000	000.41	6500-01	5390-01	.7253-01	. 3205-02	.2655-02	.3574-02	€.089	20.97	561.3
G K	1.0000	70000	15.000	10-0495	.5500-01	.7410-01	.3274-02	.e712-02	. 3652-02	2.130	20.62	562.5
i k	0000	.75000	16.000	.5000-01	10-0514	.5570-01	.2464-02	- 50-4-02	50-1475.	1.616	16.26	557.4
ž.	1,0000	. 80000	17.000	.3360-01	.2790-01	.3740-01	. 1655-02	. 1373-02	1844-02	.089	10.49	555.6
57	2.0000	.28500	18.000	10-0141.	. 1420-01	1900-01	.8419-03	.7002-03	.9357-03	0195	9.00	247.5
!	2.0000	.33700	19.000	1560-01	. 1300-01	1740-01	.7698-03	.6402-03	.8565-03	.5130	6.033	547.3
57	0000	.39000	20.000	. 2690-01	.2230-01	.2990-01	1324-02	. 1100-02	50-4241	06780	10.50	3.000 0.000
75	1,000	.42600	21.000	.3060-01	.2540-01	3410-01	50-6051.	50-4521.	1991-04	0/66.	5 5	553.0
75	2.0000	00874.	22.000	3410-01	.2830-01	. 3800-0	. 1681 -02	.1396-02	. 187e-0e		26.50	·

DATE 07	DATE 07 OCT 75		0H-74 (AEDC V418-88A)	V418-88A)	HEAT ING D	HEATING DATA ON ORBITER FUSELAGE PORT	ITER FUSEL	AGE PORT S	310€			PA0£ 281
				OH-74 (AED	04-74 (AEDC V418-88A) BGECIZF10MIGHIZTESZV9R19) B62C12F1	OMIGWI 27ES	2V9R19				(RVB003)
		:	9	100177	330177	3397/7	(CTO)H	K(10)	HCTAM	2000	DTMOT	¥
2 S	TRAVE	× ×	2	R=0.9	R•1.0	R-TAW	BTU/ R	BTU/ R	87U, R	BTU/	DE0. R	DEG. R
70 EEE						;	FTZSEC	FTESEC	FTESEC	FT2SEC) 35/ 91	0 080
ዩ	2.0000	.53000	23.000	.5590-01	.4630-01	.6240-01	.2757-02	. 2785-02	30-6705	9	9	200.0
ዩ	2.0000	.56700	24·000	.7830-01	.6480-01	8740-01	.3859-02	3194-02	-4308+0c	 	, a .	3,77
Ł	2.6.300	.62000	25.000	.5260-01	.4360-01	.5860-01	20-1662	20-27-27	ימפפיים.	EEO		553.7
£	€.3000	.67000	26.000	.3260-01	.2710-01	. 3630-01	30-8091.	30-0551.	00-16/1.		2.5	35.1
Æ	2.0000	.70500	27.000	.2150-01	10-0841.	.2390-01	20-8501	.8793-03	50-8/11.	,7000	010.4	5.100 5.40 ×
ß	2.0000	.75000	28.000	1630-01	.1360-01	10-0281	.80-6+08.	.6691-03	.8954-03	046.	0.00	, day
Ę.	2.0000	. 80000	29.000	1380-01	.1150-01	1240-01	.6817-03	.5668-03	.7587-03	1854.	* O	
; k	2.0000	.82400	30.000	.4200-02	.3500-02	.4700-C2	. 2062-03	.1714-03	. 2295-03	. 1370	005.1	0.00 0.00 0.00
12	3.0000	.20000	31.000	.3630-01	.3010-01	.4040-01	.) 787-02	1482-02	. 1993-02	991.1	0.00	0.000 M
K	3.0000	. 22500	32.000	30+0-01	.2520-01	.3390-01	. 1500-02	50-5:51.	50-1/91.	900	0.30	. C. C. C.
Æ	3.0000	25000	33.000	.2390-01	10-0661.	. 2660-01	.1178-02	50-28/6.	20-25-10-	0107	1 226	547 O
ቴ	3.0000	.27500	34.000	. 1850-01	.1530-01	.2050-01	.9098-03	7565-03	0302-02	0000	0.0°	8.63.0
£	3.0000	.30000	35.000	10-0141.	. 1420-03	10-0361	.84.58-US	. /UIB-US	100 CO.	0.000	500	546 v
ቴ	3.0000	.325.00	36.000	10-0121	.1430-01	1910-01	E0-1C+8.	. 7030-03	50-5043	0500.	2000	
ĸ	3.0000	.35000	37.000	.2670-01	. 2220-01	.2980-01	. 1318-02	20-0501.	90-000-1	06/0.	0 7	F. 156
K	3.0000	.37500	38.000	. 3280-01	.2720-01	3650-01	. 1516-02	30-3461.	10-88/1.	#00 · ·		1 2
K	3.0000	0000h.	39.000	.4010-01	.3330-01	10-0/44	20-7781.	1046-06	ייבטריים.	771	. a	7
K	3.0000	.42500	40.000	. 3520-01	. 2920-01	.3920-03	.1736-02	20-1441.	30-4581.	100	5 5	,
'n	3.0000	.45000	41.000	.5270-01	.4370-01	.5870-01	50-8655.	50-0615.	20-0892.	960	AT 00	
82	3.000	.47500	42.000	.6310-01	.5230-0;	.7040-01	.3113-02	20-8/c2.	30-8/15.	133	3 5	5.59.0
ĸ	3.0000	.50000	43.000	.5340-01	10-05+4.	.5950-01	.2633-02	-K183-UC	30-0562.	1.766	0 1	F 36
ቴ	3.0000	. 52500	44.000	.3930-01	.3260-01	.4380-01	. 1937-02	. 1606	מטימנואי	7 90	5 5	
'n	3.0000	.55000	45 000	3020-01	.2510-01	. 3360-01	20-89-17	1638-06	102/201.	. 5646	6	2.646
ቴ	3.0000	.60000	٠6.000	. 1670-01	10-0681	10-0981	. BC.55-03	50-0-6	50-0518.	26.5	212	4. B. 4.
£	3.0000	.65000	47.000	.9500-02	. 7900-02	10-0901	4704-03	59-1-185	20076	0966	100	9,65.6
5	3.0000	. 70000	+8.000	.6900 -02	.5700-02	20-00/1	50-B865.		20-00/C	2000		0.64
ኤ	3.0000	.75000	49.000	.6900-02	5700-05	20-0077.	. 3394-03	2700-03	20-6//5.	000	200.2	9.00
ቴ	3.0000	. 80000	50.000	5800-05	20-0084.	20-000-0	50-5/85.	50-0853.	- 1.5A4	2750	3.488	551.3
ኤ	3.0000	.85000	51.000	- B400-02	20-0007	20-00-0	50-0614.	1476-03	4658-03	0775.	3.413	951.6
K	3.0000	.87501	22.000	50-00CB.	30-0007	20-00-6-	56.75-03	5543-03	7435-03	0015	6.100	553.7
25	3.0000	00006	53.000	10-050	10-00-1	10-0515	9530-03	7912-03	.1062-02	.6280	8.186	554.3
ኒ	3.0000	0000		10-0561	10-0091	2250-01	20-2001	.8324-03	.1116-02	.6630	6.688	551.6
ፔ	3.0000	.95000	33.000	10-000-1	10-0495	4780-01	2113-02	1748-02	.2359-02	1.365	15.41	567.3
Ł	4.0000	20000	000.17	יייייייייייייייייייייייייייייייייייייי	10-0536	4590-01	1588-02	1316-02	.1770-02	1.038	12.07	559.5
ቴ	£.0000	26500	22.000	. Jeno-03-6	10-0616	2850-01	1250-02	1046-02	1404-02	.8310	159.6	0.46
Æ	. 0000°	00005	73.000	10-0003.	10-0261	10-0-0	1170-02	.9718-03	. 1303-02	.7730	9.558	552.4
Έ.	4.0003	00675.	74.000	10-0000	10-0061	0-	1125-02	.9351-03	. 1253-02	.7450	.9.736	550.7
ኤ	4.0000	. 30000	9.60	10-0-02	1970-01	4390-01	. 19,3-02	. 1613-02	.2166-02	1.277	16.64	556.0
દ	.0000	00025	000.70	5750-01	4770-01	6420-01	.2837-02	.2350-02	.3165-02	1.844	23.94	563.1
ቴ !	4.0000	00005.	000.86	10-0554	3960-01	.5180-01	.2293-02	1902-02	50-5555.	1.503	19.56	557.7
ይ	* .0000	00075.	000.60	10-0567	2710-01	3640-01	. 1611-02	.1337-02	.1795-02	1.061	13.83	554.7
ቴ ¦	4.000d	00005	000.00	2750-01	10-0622	3070-01	. 1359-02	.1129-02	1514-02	0868.	11.71	552.8
ቴ	₹.0000	2002 200		;		1						

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DATE 07 OCT	OCT 75		OH-74 (AEDC V418-88A)	V418-88A)	HEATING DATA ON ORBITER FUSELAGE PORT	ATA ON ORB	ITER FUSEL	ACE PORT S	2015			PAGE	8
				DH-74 (AED	DH-74 (AEDC V418-88A) BG2C12F10H18H127E52V8R19	BESCIEF!	ON COM 27E	ZVBR19				(RVB003)	303
ž	TRATE	×۲	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	нс 101	H(TAH)	1000	DTMDT	2	
NUMBER				R=0.9	R-1.0	R-TAH	81U/ R F12SEC	BTU/ R	BTU/ R FT2SEC	BTU/ FT25EC	050. A	- 969	~
ķ	0000	45000	62.000	10-0691	1410-01	1890-01	.8356-03	E0-1469.	.9302-03	5540	7.150	550.4	
i k	0000	47500	63.000	. 1200-01	10-0001	1340-01	.5916-03	.4918-03	.6584-03	.3930	066.7	9.6±6	
į,	4.5300	50000	84.000	-8500-05	.7100-02	.9500-02	.4201-03	E0-3636	.4675-03	.2800	3.456	£7.5	
i T	4.3000	52500	65.000	.6600-02	.5500-02	.7300-02	.3254-03	.2706-03	.3620-03	.2170	€.679	27.0	
'n	4.0000	.55000	66.000	.5600-02	-4500-02	.6200-02	.2756-03	. 2293-03	. 3066-03	.1840	P. 154	5.0 5.0	
i ka	4.0000	.60000	67.000	-4000h.	.3400-02	-4500-32	. 1996-03	. 1661-03	. 2220-03	. 1330	667.	¥5.2	
i K	4.0000	.65000	69.000	3100-02	.2600-02	.3500-02	. 1539-03	. 1280-03	.1711-03	. 1030	1.204	9.53.V	
ž.	4.0000	.70000	69.000	. 1800-02	. 1500-02	.2000-02	.9028-0	.7512-04	.1004-03	.6000-01	.6710	545.2	
i K	4,0000	.75000	70.000	.2000-02	.1700-02	.2200-02	-30-5-66·	.0277-04	.1106-03	.6700-01		3. 3.	
27	4.0000	.80000	75.000	.2600-02	.2100-02	.2900-02	.1270-03	. 1056-03	. 1412-03	.8500-01	1.021	9€5.2	
27	4.0000	.85000	76.000	₹0-006	50-C004.	50-00-6.	.2399-03	. 1996-03	. 2669-03	.1600	1.895	 	
157	4.0000	.87500	77.000	5400-05	.4500-02	20-0009	.2679-03	. 2228-03	.2981-03	. 1780	P. 334	27.1	
K	4.0000	00006	78.000	.6100-02	.5000-02	.6800-02	. 2993-03	.2489-03	.3331-03	0661.	2.573	- 2	
, k	4.0000	92500	79,000	.7800-02	.6500-02	.8700-02	.3867-03	.3215-03	.4303-03	.2570	3.175	9. 18.	
i K	4.0000	.95000	80.000	.7500-02	.6200-02	.8400-02	.3704-03	.3080-03	.4122-03	.2460	2.881	2.83. 1.	

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DATE 07	DATE 07 OCT 75		0H-74 (AEDC	OH-7" (AEDC V"1B-88A) HEATING DAT, ON ORBITER FUSELAGE PORT SIDE	HEATING (DAT, ON OR	II TER FUSEL	AGE PORT S	<u> </u>			PACE 283
				OH-74 IAEC	X W18-88	04-74 IAEDC V418-88A) 862C12F10M16W127E52V8R19	OMIGHIZ7ES	22VBR19				(AVB004)
048176	ORBITER FUSELAGE							PARAME	PARAMETRIC DATA			
					BE 1 A	-1.000	HACH	. 8.000	ELEVON .	. 0000	RUDDER .	0000.
				٠	163	***TEST CONDITIONS***	Š					
RUN	HACH	ALPHA OEG.	8 <u>8</u>	10 DEG. R	PH 050	YAH DEG.	7 0£6. R	a ₹	o <u>%</u>	, F1/SEC	St.UGS	HU 18-5EC
7	7.880	19.71	83.80	.171	174.3	-1.000	97.78	20-0006.	.4110	3616.	/FT3 .8052-05	/FT2 .70 6 2-07
RUN	AN/L X10 6	HAEF BTU/ R	Stv NO									
•	/FT .4635	F125EC	.0175 .998-									
					:	***TEST DATA***	:					
\$	TRACE	X	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	HC TO 5	HCTAR	1000	DTMOT	2
NUMBER		.		R=0.9	A-1.0	R-TAH	BTU/ R	81U/ R	BTU/ R	BTU/ F12SEC	DEG. R /SEC	DEG. R
7	1.0000	.27500	1.0000	.1180-01	.9600-02	.1330-01	.1819-03	.1484-03	.2052-03	9500-01	.9830	539.1
r 1	1.0000	.30000	2.0000 2.0000	1030-01	59-00-02	1170-01	1602-03	. 1306-03	.1448-03	.6700-01	.6890 .6890	539.4 539.0
	0000.1	35000	¢.0000	. 7900-02	.6400-02	-8900-05	. 1224-03	.9982-04	. 1380-03	10-0049	.6620	538.8
<i>r r</i>	0000	37560	5.0000	50-054	.6400-02 .7000-02	50-0096	.1322-03	. 1078-03	. 1366-03	.6300-01	.7080	539.4
	1.0000	. 42500	7.0000	.8600-02	.7000-02	.9700-02	.1336-03	. 1090-03	.1507-03	10-0069	.7220	539.3
<i>r r</i>	1.0000	.45000	9.0000	1200-01	.9800-02	1,360-01	. 1862-03	. 1518-03	.2100-03	.1210	. 9920 1. 234	539.3 539.2
	1.0000	.5000	10.000	1610-0191	.1310-01	. 1810-01	.2490-03	.2030-03	.2807-03	. 1290	1.314	539.3
۲ ا	1.0000	.52500	11.000	71850-01	1510-01	10-0605.	.2870-03	. 2340-03	3236-03	06+1.	514 	539.5
	0000	.60000	13.000	10-0662	. 1830-01.	.3370-01	.4629-03	.3774-03	.5221-03		2.439	5.0.1
	0000	.65000	14.000	.3160-01	.2580-01	.3573-01	.4897-03	.3992-03	.5523-03	.2540	2.590	5.0.0
7	1.0000	.70000	15.000	1940-01	. 1580-01	.2190-01	.3006-03	.2451-03	.3389-03	.1560	1.531	539.3
6 1	00001	.75000	16.000	1150-01	50-00-6	1300-01	.1784-03	. 1455-03 6417-04	2012-03	13-0056	3990	3.38.6 8.8
	1.0000	00008	000.71	1160-01	9500-02	10-0121	1798-03	. 1466-03	.20:7-03	10-00%	1.101	538.6
	2.0000	.33700	19.000	11.20-01	.9200-02	1270-01	1739-03	.1419-03	.1961-03	10-0016	1.071	538.2
	2.0000	39000	20.000	1190-01	9700-05	13-0-01	. 1838-03	. 1500-03	.2072-03	.9600-01	1.133	538.1
L	2.0000	.42600	21.000	10-09-1	10-0611	. 1650-01	. 2261-03	. 1844-03	. 2549-03	.1180	1.383	538.8
7	2.000 0	. 47800	22.000	.2650-01	10-0912	10-0562	50-5015	. 554 (- 65	. 40co-us	710.	700).ecc

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DATE 07 OCT	OCT 75		OH-74 (AEDC	0H-74 (AEDC V418-88A)		ATA ON ORE	ITER FUSEL	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	301			PAGE 284	
				OH-74 (AE	OH-74 (AEDC V418-88A) B62C(ZF1OM16W127E52VBR19	1) B62C12F1	OMI GWI 27ES	2v8R19				(RVB004)	_
RUN NUMBER	TRA'E	X/L	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R-TAH	H(910) 810/ R	H(T0) BTU/ R	HCTAN) BTU/ R	81U/	DEG. R	7H DEG. R	
r	0000	63006	23.000	3630-01	2960-01	4090-01	.5616-03	.4578-03	.6335-03	7367. 2910	3. <u>3.</u>	540.5	
٠, ٢	2.0000	.56700	24.000	.3220-01	.2620-01	.3630-01	4978-03	.4058-03	.5614-03	2590	2.016	539.9	
_	2.1.300	.62000	35.000	10-0415.	1750-01	.2420-01	.3321-03	.2708-03	3744-03	.1730	1.882	539.2	
7	2.3000	.67000	26.000	. 1210-01	-0086 .	1360-01	.1868-03	.1524-03	.2105-03	.9700-01	1.063	537.5	
7	€.0000	.70500	27.000	1140-01	.9300-02	. 1280-01	.1764-03	. 1440-03	.1988-33	.9200-01	0566	537.1	
7	2.0000	.75000	28.000	. 7000-02	5700-05	.7800-02	.1076-03	.8783-04	. 1213-03	.5600-01	.6130	537.4	
7	2.0000	. 80000	29.000	.5300-02	-4300-02	.6000-02	·0-1618.	.6693-04	.5232-04	.4300-01	.4730	537.5	
7	2.0000	. 82400	30.000	. 1700-02	. 1400-02	.2000-02	-S689-04	.2193-04	.3029-04	.1400-01	. 1960	537.8	
7	3.0000	.20000	31.000	.2710-01	.2210-01	. 3060-01	-4196-03	3418-03	.4735-03	.2170	2.30¢	5,42.9	
7	3.0000	. 22500	32.000	.2010-01	1640-01	.2270-01	.3116-03	. 2539-03	.3515-03	1510	1.81	241.0	
٢	3.0000	0000	33.000	10-0071.	1380-01	10-0161	20c8-03	50-5412.	50-1050	0201	. 202	1333.4 143	
٦ -	3.0000	00002	34.000	10-0601	10-0001.	10-0261	50-1603.	50-9/51	FO-8981	. BB00-01	080.1	537.8	
٦ -	3.0000	30565	35.000	10-0611	50-00-6	1340-01	1845-03	1505-03	.2080-03	.9600-01	1.132	537.8	
٠ د	3.0000	35000	37.000	1220-01	. 9900-02	1370-01	.1888-03	. 1540-03	.2128-03	10-0086	1.146	537.8	
	3.0000	.37500	38.000	1430-01	.1170-01	. 1620-01	.2220-03	. 1811-03	.2503-03	.1160	1.362	537.9	
7	3.0000	0000h.	39.000	.2040-01	10-0991	.2300-01	.3157-03	. 2576-03	3559-03	.1650	1.946	538.0	
7	3.0000	.42500	40.000	.3000-01	.2440-01	.3380-01	.4641-03	.3785-03	.5233-03	٠ <u>۲</u>	2.868	539.0	
7	3.0000	.45000	4i.000	.3330-01	10-0175.	.3750-01	.5152-03	.4202-03	.5809-03	.2680	3.071	538.9	
7	3.0000	.47500	42.000	.3590-01	.2920-01	11 -0504.	.5554-03	.4528-03	.6263-03	. 2890	3.222	539.7	
7	3.0000	.50000	43.000	3410-01	.2780-01	.3850-01	.5283-03	.4307-03	.5957-03	. 2750	3.065	539.7	
7	3.0000	.52500	74.000	.2570-01	.2090-01	10-0682	. 3973-03	.3240-03	. 44B0-03	. 2070	2.43c	538.8	
7	3.0000	. 55000	45.000	.2060-01	. 1680-01	.2320-01	.3191-03	. 2603-03	. 3598-03	. 1560	000	538.B	
6	3.0000	.60000	46.000	10-0611.	50-0076.	10-0461.	50-0491.	1000-03	50-090-03	10-0006.	2140	8.77.R	
۱ م	3.0000	00000	7.000	50-0069	50-00-005	20-00-02	- 1500-03 - 0560-04	2808-04	1078-03	5000-01	. 5530	537.3	
٠, ١	3.0000	75000	49.000	5200-02	.4200-02	.5800-02	.8004-04	.6532-04	.9020-04	.4200-01	.4560	537.0	
	3.0000	80000	50.000	20-0044	.3600-02	.5000-02	.6887-04	.5620-04	.7761-04	.3600-01	.3870	537.0	
7	3.0000	.87500	52.000	.3700-02	.3000-02	.4100-0Z	.5680-14	.4633-04	.6404-C4	.3000-01	.3670	538.8	
7	3.0000	.9000	53.000	50-000 4 .	.3300-02	-4500-02	.6229-04	.5078-04	.7023-04	.3200-01	.4520	539.4	
7	3.0000	. 92500	₹.000	.4500-02	3700-05	.5100-02	.6986-04	. 5696-04	.7878-04	. 3600-01	0774.	539.6	
7	3.00no	.95000	55.000	3400-05	20-0082	. 3900-02	5317-04	+3.56-04	+0-055C	יח-חחששי	.00.6	0.85C	
۲	۰, 0000	.20000	71.000	10-0612	.2500-01	.3610-01	.4945-03	.4025-03	50-5866.	טינה. פייפי		11.0	
7	4.0000	.22500	72.000	. 2550-01	2080-01	10-0882	50-50-50-	2255-03	10-6961	מינים.	1,757	54.7	
7	4.0000	0000	73.000	10-0/81	10-002	10-0113.	50-054C	FO-1100	2785-03	086	5.00	M	
٠,	. 0000	2000	000.47	10-0601	10-00-11	10-0091	2198-03	50-5671	2478-03	0411	1.502	539.2	
- r	0000	30000	52.000	1740-01	1410-01	1950-01	2674-03	2180-03	.30.5-03	. 1390	. 825	539.6	
٠,	0000	35000	58.000	2520-01	. 2050-01	.2840-01	.3895-03	.3176-03	.4393-03	.2020	2.657	539.9	
	0000	37500	29.000	3260-01	. 2650-01	.3670-01	.5041-03	.4109-03	.5686-03	.2620	3.435	540.3	
۲.	4.0000	40000	60.000	10-0662.	10-0445.	.3370-01	.4626-03	.3771-03	.5217-03	. 2400	3.152	540.3	
	4.0000	.42500	61.000	. 2. 320-01	. 1890-01	.2610-01	.3587-03	. 2925-03	.4046-03	. 1860	644.5	539.6	
7	٠, 0000	. 45000	62.000	.1780-01	10-0541.	.2010-01	.2757-03	.2248-03	.3109-03	.1430	1.860	539.6	

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HEATING DATA ON CHRITER FUSELAGE FORT	OH-74 (AEDC V418-88A) BG2C12F1	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	CH-74 (AEDC V418-BBA) BG2C12F1
H/HREF	H/HREF	H/HREF H/HREF	H/HREF
R.TAW	R=1.0		R=0.9 R=1.0
	1120-01	1380-01 .1120-01	1380-01 .1120-01
. 1260-01	.9100-02	S0-0016. 10-0111.	S0-0016. 10-0111.
	.6400-02	50-0049. 50-0064.	50-0049. 50-0064.
	.5600-02	.6900-02 .5600-02	.6900-02 .5600-02
	.¥200-02	.5100-02 .4200-02	.5100-02 .4200-02
	.3030-02	.3600-02 .3000-02	.3600-02 .3000-02
	.3300-02	.4000-02 .3300-02	.3300-02
	.2800-02	3+00-02 . 2800-05	3+00-02 . 2800-05
	.9000-03	.1000-02 .9000-03	.1000-02 .9000-03
	.6409-02	20-00+9. 50-006.	20-00+9. 50-006.
•	. 7000-03	. 9000-03 , 7000-03	. 9000-03 , 7000-03
.8000-03	.5000-03	7000-03 5000-03	7000-03 5000-03
•	3000-05	3700-02 3000-02	3700-02 3000-02
•	2000-002	60-0021	60-0021
•	. 1300-00-1	•	. 1300-00-1

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DATE 9	DATE 07 OCT 75		OH-74 (AED)	04-7% (AEDC W18-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	HEATING	DATA ON OF	RBITER FUSE	LAGE PORT	3015			PAGE 286	
				OH-74 (AB	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	A) BECLEF	10M16W127E	52V8R19				(RVB004)	
0 48 1 TEI	ORBITER FUSE, AGE							PARAH	PARAMETRIC DATA				
					BETA	-1.000	HACH	B .000	ELEVON .	.0000	RUDOER .	0000	
					•••165	***TEST CONDITIONS***	s.						
NG 2	MACH	ALPHA	2 2	0 0	H S	YAH	- ç	٥	0	> 1	E .	⊋ :	
6	7.880	£	93.60	117.	_	-1.000	87.70	-0006.	0014.	3616.	•	/FT2 .7062-07	
ā	N	11091	CTN NO										
NUMBER	X10 8	BTU. R	<u>z</u> &										
ω	/FT .4625	FT2SEC . 1547-01	.0175 .5960-01										
					:	***1EST DATA***	:						
Ş	TRACE	х/	1/C NO	H/HREF	H/HREF	H/HREF	H(970)	H(T0)	H(TAH)	1000	DTMDT	7	
NUMBER				R=0.9	R= : . 0	R-TAH	81U/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R	
¢						;	FT2SEC	FT2SEC	FT2SEC	FT2SEC)3S/		
υ α	1.0000	30000	0000	. 1230-01	10-0001.	10-0681	. 1905-03	. 1552-03	20-6415.	10-0066.	0% 6.6%	8.040 6.040	
.	1.0000	.32500	3.0000	. 8800-02	.7200-02	.9900-02	.1362-03	.1110-03	.1536-03	7100-01	.7270	9.00.00 9.00.00	
6 0	1.0000	.35000	٠.0000	.9200-02	.7500-02	10-0401.	.:429-03	.1165-03	.1611-03	.7400-01	.77 iò	539.9	
6 0 (1.0000	.37500	5.0000	.8500-02	20-0069	-0056	.1307-03	. 1065-03	.1474-03	.6800-01	0414.	5.0.5	
00 00	1.0000	.42500	7.0000	10-00-11	. 1150-01	1600-01	. 1702-03	1387-03	. 1919-03	10-0088.	. 9090	540.2	
• •	0000.1	. +5000	9.0000	. 1860-01	1510-01	.2090-01	.2871-03	. 23:0-03	.3238-03	06*1.	1.525	540.3	
œ	0000.1	.47500	0000.6	10-0261.	10-0961	.2160-01	.2963-03	.2415-03	. 3342-03	. 1540	1.566	540.5	
c o c	1.0000	.50000	10.000	19550-01	.2080-01	.2880-01	.3947-03	.3217-03	.4451-03	.2050	2.079	5.0.2	
o oo	0000	55000	18.000	10-0696	ים-מיני	10-026	50-0//h.	1262-03	50-/BSC.	5 6	ภ. ภูมิ	7.040.7	
. 00	1.0000	.60000	13.000	1450-01	1183-01	.1630-01	. 2242-03	1828-03	.2528-03	1160		930.0	
60	1.0000	.65000	1.4.000	.9300~02	.7500-02	.1040-01	. 1431-03	.1167-03	.1513-03	.7400-01	.7550	539.5	
6 0	1.0000	.70000	15.000	.6300-02	.5100-02	.7190-02	.9737-04	.794I-04	. 1098-03	.5100-01	۰ ۴ 360	538.9	
6 0 (1.0000	.75000	16.000	- 460G-02	.3700-02	.5200-02	. 707s-0t	.5769-04	.7976-0 4	.3700-01	.3740	538.8	
co c	1.0000	. 80000	17.000	20-0082.	.2300-02	.3100-02	4301-94 1021	3509-04	\$0-6\$85.	.2200-01	.2180	538.2	
D 00	2.0000	33700	000 61	10-0611	50-0056.	10-05-01	1941-03	1501-03	.207.3-03	.9200-01	080	0.030 0.030 0.030	
) CS	2.0000	39000	20.000	10-0061	. 1550-01	.2140-01	.2936-03	.2393-03	.3312-03	. 1520	1.799	540.5	
00	≥.0000	. 42600	21.000	.2800-01	.2280-01	.3160-01	.4335-03	.3533-03	.4890-03	. 2250	2.640	540.7	
90	2.0000	.47800	22.000	3100-01	.2520-01	.3490-01	.4789-03	.3903-03	.5402-03	. 2×80	2.770	8.0.8	

the same of the same of the

DATE 07	27 °00 F		OH-7" (AEDC	OH-7" (AEDC V418-88A)		ATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT	AGE PORT S	SIDE			PAGE 287
				OH-74 (AED	OH-74 (AEDC V418-88A) BG2C12F10H16H127E52VBR19	. B62C12F1	OM16W127ES	2VBR19				(RVB004)
i		3	5	a John	H/MBCF	H/HREE	H(910)	(T)	HCTAH	7000	OTHOT	2
¥ .	IRALE.	7 /F	2) U U 0	0.00	A-144	BTU/ B	BTU/ R	87C/ A	976	DE0. R	DEG. R
200					!	:	FT2SEC	FTESEC	FT2SEC	FT2SEC)SEC	
đ	0000	63000	23.000	1870-01	10-0561.	.2110-01	.2897-03	.2362-03	. 3268-03	. 1500	1.679	9±0.8
o 9	2000	.56700	000	1170-01	.9500-02	.1320-01	.1808-03	. 1474-03	. 2039-03	9400-01	1.023	539.5
o	0000.7	62000	2.000 200.000	.8200-02	.6700-02	.9200-02	. 1265-03	. 1031-03	. 1426-03	.6600-01	.7160	539.4
- α	2000	.67000	26.000	.9300-02	.7600-02	10-0501	.1439-03	. 1174-03	. 1623-03	.7500-01	.8170	538.5
α	2.0000	.70500	27.000	5400-05	20-0044	.6100-02	. 8321-04	.6789-04	-9380-04	.4300-01	.4680	538.1
o 02	2.0000	000¢	28.000	.3700-02	.3000-02	.4100-02	,5667-04	40-429h	.6389-04	.3000-01	. 3260	537.4
) oo	2.0000	. 80000	29.000	.2600-02	.2200-02	. 3000-02	40-4604°	3340-04	÷0-+19+	.2100-01	.2360	537.6
	2.0000	.82400	30.000	£0-000h.	.3000-03	.5000-03	.6259-05	.5107-05	.7055-05	.3000-02	10-0094	537.6
8	3.0000	. 20000	31.000	10-0475.	.2230-01	.3090-01	.4237-03	.3451-03	.4781-03	.2190	P. 324	946.7
00	3.0000	. 22500	32.000	.2250-01	10-0281	.2530-01	.3472-03	. 2829-03	.3918-03	. 1800	2.074	, i
90	3.0000	. 25000	33.000	1740-01	.1420-01	1970-01	.2697-03	.2198-03	.3043-03	0041	900	7.1.c
60	3.0000	.27500	34.000	1360-01	.1110-01	. 1530-01	.2101-03	.1713-03	.2370-03	0601.	1.508	
æ	3.0000	30000	35.000	. 1220-01	2 0-0066.	1380-01	. 1887-03	. 1538-03	.2129-03	10-0066	1.615	3.00
60	3.0000	. 32500	36.000	1300-01	.1060-01	1470-01	.2011-03	. 1640-03	. 2258-03	0,00	1.667	7.7.T
6 2	3.0000	.35000	37.000	.1670-01	.1360-01	10-0581.	.2587-03	.2109-03	.2918-03	. 1340	20.	7.05.0
æ	3.0000	.37500	38.000	10-0032.	.2040-01	.2820-01	. 3863-03	.3148-03	.4357-03	.2000	7 . 324 	340.0
60	3.0000	00004	39.000	10-0652.	.2110-01	.2920-01	.4010-03	. 3269-03	.4522-03	.2080	8.4.9 0.1.0	0.000
œ	3.0000	.42500	40 .000	.2750-01	.2240-01	.3100-01	.4255-03	. 3468-03	.4799-03	. 2210	D 0	0.00
80	3.0000	. 45000	41.000	. 2330-01	10-0061,	.2530-01	.3606-03	.2940-03	.4067-03	1870	¥ (340.0
6	3.0000	.47500	42.000	1830-01	10-0641.	.2070-01	.2836-03	.2312-03	.3199-03	1470	1.643	5.0.6
00	3.0000	. 50000	43.000	.1330-01	10-0601.	1200-01	.2064-03	.1683-03	.2328-03	. 1070	1.197	5.59.7
00	3.0000	. 52500	44.000	.9600-02	.7800-02	10-0801	. 1481-03	. 1208-03	. 1671-03	.7700-01	.9050	539.4
00	3.0000	. 55000	45.000	.8300-02	.6700-02	.9300-02	.1277-03	.1042-03	. 1440-03	10-0099	.7420	0.850
60	3.0000	. 60000	46.000	.6000-02	20-0064.	.6800-02	.9337-04	.7616-04	.1053-03	10-0064	.5300	538.5
· co	3.0000	.65000	47.000	-4800-05	.3900-02	.5400-05	40-9E4C.	.6067-04	.8383-04	3900-01	.4130	538.0
• •	3.0000	.70000	4B .000	.2900-02	.2400-02	.3300-02	.4533-04	.3699-04	.5110-04	2-00-01 	2620	537.6
0	3.0000	.75000	49.000	.2600-02	.2100-02	20-0062.	.4033-04	. 3291-04	ナローのオのナ・	.2100-01	. 2300	357.1
00	3.0000	.80000	50.000	.2500-02	.2000-02	.2800-02	. 3822-04	.3119-04	4307-04	.2000-01	0515.	537.0
60	3.0000	.85000	51.000	-×800-05	Z0-0004.	.5500-02	.7492-04	.6112-04	.0-9446	. 3900-01	.4850	238.4
00	3.0000	.87503	52.000	.9000-03	.8000-03	-1000-05	1425-04	.1162-04	·1606-94	. 7000-02	3200-01	538.5
00	3.0000	.90000	53,000	. 1200-02	1000-62	20-00+1.	.1883-04	.1536-04	.2123-04	10-0001	. 1370	538.7
00	3.0000	.92500	S¥. 600	.1500-02	.1200-02	. 1700-62	.2341-04	1909-04	2539-04	1200-01	. 1500	0.00
60	3.0000	.95000	55.000	.1000-02	.8000-03	.1100-02	. 1568-04	.1279-04	69-04	. B0000-02	10-0058.	338.3
Œ	0000.≯	.20000	71.000	3400-01	10-0775.	10-0-88.	.5259-03	, 4280-03	.5938-03	.2700	5.083	243.0
) (C	. 00000	.22500	72.000	.2480-01	.2020-01	.2800-01	. 3832-03	.3120-03	, 4325-03	.1980	2.320	543.6
σ.	4.0000	25000	73.000	10-0861.	.1510-01	.2230-01	. 3056-03	.2488-03	.3449-03	.1580	1.851	543.0
00	4.0000	.27500	74.000	1730-01	10-0141.	. 1960-01	.2682-03	.2185-03	.3027-03	. 1390	1.718	3.5.2
• •	4.0000	.30000	56.000	. 1600-01	1300-01	. 1800-01	.2473-03	.2615-03	.2730-03	.1280	1.681	541.3
· cc	4.0000	.32500	57.000	.2380-01	10-0-61	.2690-01	.3686-03	.3003-03	.4158-03	0161.	2.505	7. 1. 7. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
• •	4.0000	.35000	58.000	10-0862.	.2260-01	.3140-01	.4299-03	.3502-03	.4850-03	. 2230	2.920	بر م
60	4.6000	.37500	59.000	1990-01	. 1630-01	.2250-01	. 3084-03	.2514-03	. 3479-03	1600	2.099	940.8
.	4.0000	30004.	60.000	.1370-01	.1120-01	.1550-01	.2121-03	.1729-03	. 2392-03	. 1100	***	340.0
80	4.0000	.42500	61,000	50-00/6.	.7900-02	10-0601.	1494-03	. 1210-03	. 1685-03	.7800-01	1.019	54n.u

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288 88	(RVB004)		œ					-									
PAGE	F	ī	DEG.		£0.0	539.6	539.4	539.3	539.0	538.2	538.3	538.4	537.4	537.8	537.7	538.5	583.3
		DTHOT	DEG. R	/SEC	. 8250	.6780	.5070	.4310	.3610	.2500	.1370	. 5200-01	. 1650	.6500-01	1300-01	.3680	.0000
		200	910/	FT2SEC	.6400-01	.5300-01	.4100-01	.3500-01	.3100-01	.2200-01	1200-01	.5000-02	1200-01	-5000-02	.1000-02	.3000-01	. 0000
3106		HCTAH	BTU/ R	FTZSEC	.1380-03	.1153-03	.9866-04	.7540-04	.6656-04	+0-+66+	-2512-04	.9966-05	.3187-04	.1169-04	.2187-05	.6421-04	٠٥-5775.
AGE PORT 9	52VBR19	Н(10)	BTU/ R	FT2SEC	40-8766 .	.8340-04	±0-11±9.	.5452-04	+0184.	.3469-04	1918-04	.7225-05	.2308-04	.8462-05	. 1583-05	40-9494	.2005-0¥
BITER FUSEI	OMIGWIZTE	H(970)	BTU/ R	FTZSEC	. 1224-03	. 1023-03	.7863-04	.6686-04	.5903-04	.4253-04	.2229-04	.8858-05	.2828-04	.1037-04	1940-05	.5696-04	.2458-04
HEATING DATA ON ORBITER FUSELAGE PORT	DH-74 IAEDC V418-BBA) BG2C12F10M1GH1Z7E52VBR19	H/HREF	R-TAH		-8900-02	.7500-02	.5700-02	-M900-05	-4300-05	.3100-02	.1600-02	.6000-03	20-0012	.8000-03	.1000-03	-4100-05	. 1800-02
HEATING S	X W18-88/	H/HREF	R-1.0		.6500-02	.5400-02	4100-05	.3500-02	.3100-02	.2200-02	. 1200-02	.5000-03	.1500-02	.5000-03	.1000-03	.3000-02	.1300-02
(AEDC V418-88A)	OH-74 1AE	H/HREF	R=0.9		.7900-02	.6600-02	.5100-02	-4300-0S	.3800-02	-2700-02	. 1400-02	.6000-03	. 1800-02	.7000-03	.1000-03	.3700-02	.1600-02
OH-74 (AEDC		1/C ND			62.000	63.000	6₽.000	65.000	66.000	67.000	68.000	69.000	70.000	75.000	78.000	79.000	80.000
		۲/۲			45000	.47500	.50000	.52500	.55000	.60000	.65000	,70000	,75000	.80000	90006	.92500	.95000
DATE 07 OCT 75		TRALE			4.0000	4.0000	4.0300	4.3000	4.0000	4.0000	4.0000	4.0000	۴.0000	٠٠.0000	4.0000	4.0000	4.0000
DATE 07		\$	NUMBER		æ	· @	60	00	93	60	60	30	80	80	60	00	60

	N		OH-7% (AEDC VM/B-EAM) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	V418-53A)	HEATING D	ATA ON ORBI	TER FUSELA	GE PORT SI	8			PAGE 289
DATE 37 OK 1 73	<u>.</u>			OH-7'4 (AED	W-18-88A	OH-74 (AEDC V418-88A) BG2C12F10H16H127E52VBR19	H16W127E52	WBR19				(RV8004)
	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1							PARAMET	PARAHETRIC DATA			
ORBITER	ORBITER FUSE AUX				BETA	-1.000	МАСН	8.000	ELEVON =	.0000	RUDDER -	0000.
					•••1657	***TEST CONDITIONS***	••					
RUN	MACH	ALPHA DEG.	PS 14	10 DEG. R	₩ 966.	YAW DEG.	T DEG. R	a Ais	o PSIA	V FT/SEC	RHO SLUGS /FT3	MU LB-SEC /FT2
o	7.880	29.83	92.60	1177.	. 61.06	-1.100	07.70	-9000	. 4060	3616.	. 8927-05	.7062-07
RUN	PN/L	HREF PTIV B	STN NO									
6	/FT /FT .4572	FT25EC .1538-01	.5995-01									
					•	**************************************	•					
			9	330177	1007/11	H/HREF	H(910)	H(10)	H(1AN)	1000	STROT	
RUN	TRACE	x۱۲	20/1	R*0.9	R=1.0	R-TAH	BTU/ R	BTU/ R	8TU/ R	ETU/ FT2SEC	DEG. R	¥
						10-0361	2797-03	1945-03	.2685-03	1250	1.296	536.3
6	1.0000	.27500	0000	1550-01	10-0001	1380-01	. 1879-03	.1533-03	.2117-03	.9800-01	1.047	536.1
on o	0000	35500	3.0000	10-0101	.8300-02	10-0411	. 1555-03	. 1269-03	2017-03	10-0018	.9850	535.8
n Gr	1.0000	.35000	9000.4	1160-011	-00-05	10-0251	1769-03	1444-03	1993-03	.9200-01	.9760	536.5
o (1.0000	.37500	5.0000	10-0511.	. 1510-01	.2090-01	. 2852-03	. 2328-03	.3214-03	1500	1.536	536.7
ים ת	0000.1	.42500	7.0000	1870-01	1530-01	10-0115.	2878-03	2549-03	.3674-03	.1700	1.745	537.4
σ	1.0900	. 45000	00000	2.10-01	19-05-01.	2720-01	.3710-03	. 3027-03	.4183-03	0261	1.973	538.0
on o	1.0000	50000	10.000	.2250-01	1830-01	.2530-01	.3456-03	.2819-03	.3895-03	.1330	. 40 . 40 . 40 . 40 	537.4
n Oi	1.0000	.52500	11.000	16-0991.	1360-01	10-0181	2554-03	1795-03	.2479-03	.1150	1.157	537.1
o	1.0000	. 55000	12.000	1430-01	10-0/11.	9900-02	.1356-03	.1107-03	.1529-03	7100-01	.7200	537.2
60 (1.0000	.60000	14.000	. 830C - 02	. 6800-02		.1275-03	.1040-03	.1437-03	.6700-01	.6760 4960	536.9
	0000	70000	15.000	.6300-02	5100-02	•	40-679-0	+0-668L.	+0-1691.	2500-01	.2560	537.0
יסי	1.0000	.75000	16.000	3100-02	50-003.	3500-02	10-8187.	40-6E-7	.3368-04	1600-01	. 1520	536.9
6	1.0000	00008	17.000	20-0061.	10-001.		2478-03	.2023-03	.2772-03	. 1300	1.527	535.8
6	2.0000	28500	18.000	10-0191	1170-01	1610-01	.2198-03	1795-03	.2477-03	.1150	 	535.3
ono	2.0000	39000	20.000	2830-01	.2310-01	-	.4351-03	.3551-03	.4903-03	0/22.0	. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	537.0
n on	2.0000	.42600	21.000	.2690-01	10-0022.	3030-01	20-0414.	2324-03	. 3208-03	1490	1.664	536.6
o	2.0000	.47800	22.000	. 1850-01	1510-0151	ים-מהמשי	, ,	; !	:			

Section of the sectio

さい こう 一般 後者 (全さな) ひょうがい (地質) かい べいぎょうがい 人間 成立 しかんがく かんかん しゅうじゅうかい ひめいか おいましき はんしゅう アンド・スト かっかん かいかい

DATE 07	27 TOC 7		OH-74 (AED)	OH-74 (AEDC V418-88A)		HEATING DATA ON ORBITER FUSELAGE PORT	IITER FUSEL	AGE PORT	SIDE			PAGE 291
				OH-74 (AE	X 1418-88	OH-74 (AEDC V418-88A) BG2C12F1OM16W127E52VBR19	OM SOM STE	SEVER19				IRVB004
Z Z	TRACE	χγ	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R=TAH	H(910) 81U/ R	HCTO) BTU/ R	HITAMS BTU/ R	000 VT8	07MD7 DEG. R	¥. 0€0. R
•							FTZSEC	FTZSEC	FTZSEC	FTESEC	736.	
3 e a	0000	. 53000	2.000 2.000	0300-01	7600-02	10-0201	10-B241	1155-03	1609-03	7500-0	0418.	1 10 10 10 10 10 10 10 10 10 10 10 10 10
	P. C.300	00029	25.000	.6700-02	5000-05	7600-02	. 1031-03	9-7-9	.1162-03	10-00±0.	. 3880	536.6
•	2.3000	.67000	26.000	.3800-02	.3100-02	-4300-05	.5903-04	40-8184 .	.6651-04	.3100-01	.3370	536.6
O	2.0000	.70500	27.000	.3500-02	. 28 00-02	. 3900-02	.5339-04	+328-0 +	.6016-04	.2800-01	.3020	536.1
Ø,	2.0000	.75000	28.000	. 2700-02	. 2200-02	.3100-02	.4193-04	. 3423-04	.4724-Ot	.2200-01	.2420	535.7
œ	2.0000	.80000	29.000	. 1300-02	-1100-02	. 1500-02	.1986-04	.1621-04	.2237-04	1000-01	.1150	536.1
a	€.0000	.82400	30.000	.2000-03	1000-03	.2000-03	.2678-05	.2185-05	.3017-05	. 1000-02 200-02	2000-01	536.6
on o	3.0000	00002.	31.000	19-00K	10-0/52	10-022	3706-03	3024-03	20-0200	0561	2.172	537.5
a	3.0000	. 25000	33.000	.2030-01	10-0991	.2290-01	.3126-03	2552-03	.3523-03	.1630	1.836	536.5
01	3.0000	.27500	₩.000	.1610-01	1310-01	1810-01	.2468-03	.2015-03	.2780-03	. 1290	1.555	535.5
(J)	3.0000	30000	35.000	.1400-01	.1140-01	1570-01	.2146-03	1.753-03	.2417-03	.1130	1.399	535.0
O P	3.0000	. 32500	36.000	1650-01	. 1350-01	. 1860-01	.2539-03	.2073-03	.2860-03	.1330	1.567	535.2
GP	3.0000	. 35000	37.000	.2550-01	.2080-01	.2870-01	.3919-03	. 3200-03	.4415-03	.2050	2.391	535.8
o	3.0000	.37500	38.000	.2950-01	.2410-01	.3330-01	.4542-03	.3707-03	.5117-03	.2380	2.796	536.3
	3.0000	\$0000 A.	39.000	10-0061	. 1550-01	.2140-01	. 2917-03	. 2382-03	.3267-03	.1530	808.	935.8
Œ	3.0000	42500	40.000	1840-01	1500-01	10-0200	.2825-03	.2307-03	.3183-03	0841	1.760	1. O. V.
on ·	3.0000	45000	41.900	1430-01	1170-01	1610-01	.2203-03	1799-03	2482-03	0511.	Ç é	933.4
or i	3.0000	.47500	42.000	10-0611.	-9700-02	10-0-51	1833-03	50-7941.	.2065-03	10-0095	1.074 0.750	333.6
on (3.0000	50000	43.000	20-0015.	50-0067	10-0601.	50-044.	0.1050-03	1064-03	10-000	06/8.	555.5 545.5
a n c	3.0000	25000	14.000	5600-02	50-0019.	-00-00-c	50-1601	P111-114	50-0511	10-00EF	2990	535.6
ח פר	3.0000	. 50000	46.000	5100-02	.4200-02	.5800-02	. 7905-04	5-35	+0-906a.	4100-01	.4520	535.8
n gn	3.0000	.65000	47.000	.3500-02	20-0057	-000o+.	.5427-04	14431-04	.6115-04	.2800-01	. 3030	535.9
On On	3.0000		48.000	.2600-02	-2100-02	-2900-05	40-2104	.3278-04	.4523-04	.2100-01	. 2330	535.8
Ø)	3.0000	.75000	49.000	.1500-02	. 1200-02	. 1600-02	.2239-04	. 1828-04	.2523-04	. 1200-01	. 1280	535.8
o n	3.0000	.80000	50.000	. 1400-02	-1100-05	. 1600-02	.2127-04	.1736-04	.2397-04	1100-01	. 1200	536.3
6 1	3.0000	.85000	51.000	.7000-03	.6000-03	. 8000-03	10-6-	. 9356-05	-0-2621	-0009.	10-0044.	537.4
o	3.0000	.87509	52.000	.6000-03	.5000-03	.6000-03	- 8504-058.	6939-05	CD-CBCP.	20-0004	10-0055	0.754
סיים	3.0000	00006	53.000	. 5000-03	. 3000-03	£0-0006	- 500C.	CC-1804	40-006	50-000s.	10-00-0	20.150
n 0	3.0000	0000	000	60-0007	50-0005.	7000-03	9037-05	7374-05	-0-6101.	.5000-02	10-000%	537.5
s on	4.0000	.2000	71.000	3410-01	.2780-01	.3840-01	.5238-03	.4269-03	.5908-03	.2720	3.109	540.7
σ	4.0000	.22500	72.000	.2630-01	10-0412.	.2960-01	.4037-03	. 3293-03	.4551-03	.2100	2.4.5	538.2
On.	۴.0000	.25000	73.000	10-0681	10-0%1	.2130-01	. 2903-03	.2369-03	. 3272-03	.1510	1.782	537.5
σ	۴. 0000	.27500	¥.000	10-0281	1530-01	.2110-01	.2880-03	.2350-03	. 3245-03	. 1500	1.868	537.0
on.	۰۰.0000	. 36000	26.000	1930-01	1570-01	.2170-01	.2961-03	2417-03	.3336-03	. 1550	2.039	536.0
G TI	₹.0000	32500	57.000	.2510-01	.2050-01	.2820-01	. 3855-03	.3146-03	. 4344-03	. 2020	2.651	536.5
On .	٠, 0000	.35000	28.000	10-0861	1620-01	10-01-22	. 3050-03	.2490-03	3437-03	. 1600	2.101	933.9
on I	٠, 0000	37500	59.000	10-0/21.	.1160-01	0-0561	50-5113-	1 /60-03	50-1962.	0.11.0	7.437	333.0
on (٠٠ ، 0000	00004	60.000	1030-01	20-00-00	10-0711.	50-0661	50-5601	20-26/1.	6500-01	06.00 06.30	535.3
ת	4 . 0000	300	91.000	20-00 fg.	- DOOD .	7 20 20	2014	. 1 050 - 05			3	

DATE 0	07 OCT 75		OH-74 (AEDC	04-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT	HEATING D	ATA ON OPE	BITER FUSE		S10E			PAGE	<u>ō</u> ;
				OH-74 (AEE	24-74 (AEDC V418-88A) BSZCIZFIOMIGHIZTESZVBR19) B62C12F1	OMIGHIZTE	52VBR19				(RV300%)	3
ă	7.401	×	ON 3/1	H/HOEF	H/HREF	H/HREF	H(970)	НС ТО	HCTAN	200	DTMDT	· z	
	*	į	•	R=0.9	8-I.0	R-TAM	BTU/ R	81U/ R	BTU/ R	BTU/	DEG. A	. 9	~
				·			FT2SEC	FTZSEC	FT2SEC	FTZSEC	/SEC		
a	2000	0000	62,030	.6600-02	5300-02	.7400-02	.1007-03	.8223-04	.1135-03	.5300-01	.6860	535.8	
• 0	1000	47500	63.000	5700-05	50-004°	.6500-02	.8805-04	.7189-0 •	. 9921 -04	10-0094	.5890	535.8	
, a	0000	0000	64.000	50-0074	3800-05	5300-05	2-06-1	5874-DE	.8106-04	.3800-01	.4680	535.9	
n a	200	000	65.000	3700-02	3100-02	-4200-0S	3748-04	4692-04	.6476-04	.3000-01	37.0	536.2	
• σ	0000	55000	66.000	3400-05	.2800-02	.3800-02	-518I -0*	40-6224	.5639-04	.2700-01	.3190	536.4	
• 0	0000	60000	67.000	S*00-05	. 1900-02	-5700-05	.3672-04	.2997-04	.4138-0 4	10-0061	.2170	536.3	
, 0	0000	65000	69.000	. 1600-02	.1300-02	. 1800-02	5-112	+0-8961.	.e717-04	1300-01	.1480	536.6	
• •	0000	70000	69.000	.5000-03	.4000-03	.6000-03	.7648-05	.6241-05	. 8620-05	-4000h.	10-0054	537.3	
, 0	0000	75000	70.000	.1000-02	. B000-03	.1100-02	.1564-04	.1277-04	. 1763-04	.8000-02	10-0016	536.6	
• 6	0000	80000	75,000	.3000-03	.3000-03	£0-0004.	20-4-24	-4018-05	. 5550-05	. 3000-02	3100-01	537.2	
• 0	2000	0.022.00	77.000	E0-0004	.3000-03	. 5000-03	.6376-05	.5204-05	.7185-05	.3000-02	10-0044	536.8	
n 0	2000		28.000	1000-02	.8000-03	-1130-02	1519-04	1240-04	.1712-04		. 1030	537.2	
na		0580	000	1000-03	.1000-03	.1000-03	. 1556-05	. 1270-05	S-35-1.	-1000-05	10-0001	537.2	
n ch	4.0000	95000	80.000	. 1600-02	.1300-02	.1800-02	.2458-04	.2035-04	.e772-0%	0000	.0000	583.3	

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סאדר מי	CATE 07 OCT 75		OH-74 (AEDC V419-88A)	. V418-88A)	HEATING	HEATING DATA ON ORBITER FUBELAGE PORT SIDE	BITER FUSE	LAGE PORT	910E			PAGE 292
				OH-74 (AE	DC V418-88	04-74 (AEDC V418-88A) BG2C12F1ONIGUIZTESZVBR19	ONIGHIETE	52VBR19				(RVB004)
CABITES	CABITER FUSEL AGE							PARAM	PARAMETRIC DATA			
					BETA	-1.000	MACH	9 .000	ELEVON .	00000	RUDDER .	. 0000
					•••165	***TEST CONDITIONS***						
3	Z.	ALPHA	2	5	Ī	YAM	-	•	ø	>	9	2
NUMBER			₹	0E0.	DE0.	6 60.		¥354	Y.S.	FT/SEC	2008 /FT3	18-5EC
9	7.880	ŗ,	92.20	1171.	-168.7	-1.000	87.70	20-0006	0.04.	3616.	. 8883-05	.7062-07
3	7	¥	STN NO							,		
MURES	X10 6	8TU/ R	. 5. 5. 10. 50.									
9	9,64	1931-01	.60100.									
					•	**************************************	•					
PLN .	TRACE	x۲	1/C NO	H/HREF	H/HREF	H/HREF	H(970)	H(TO)	HITAN	. 00	TONTO	7
NUMBER				R=0.9	R=1.0	R-TAW	97V, A	BTU/ R	87V, R	BTU/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FT2SEC	FT2SEC	/SEC	
2 :	0000.	. 27500 0001	.0000	1410-02	. 150-01	10-0651	.2167-03	.1770-03	2007-03	.1140	1.181	535.5
2 2	0000	32500	3.0000	20-096	.7800-02	10-0801	. 1470-03	1200-03	. 1655-03	.700-01	7950	934.9
9	1.0000	.35000	. 0000	1160-01	.9500-02	1300-01	.1777-03	.1451-03	.2001-03	.9300-01	.9700	0.460
5	0000.1	.37500	2.0000	10-0651	10-0621	1780-01	.2418-03	1974-03	.2724-03	1270	1.337	535.4
<u> </u>	- 0000 - 0000	00001	6.0000	10-010-01	10-0-01	19-09-01	.3078-03	2153-03	2970-03	1510	15 P	555.2 535.2
<u> </u>	0000.1	.45000	B.0000	.2180-01	1780-01	.£460-01	.3346-03	.2732-03	.3769-03	.1750	1.800	535.3
9	1.0000	.47500	6,000.6	1570-01	. 1280-01	10-0941	.2403-03	. 1962-03	2706-03	. 1260	1.287	535.2
2 9	0000-1	.5006.	10.000	1580-01	10-050 · ·	1450-01	. 1969-03	. 1608-03	. 2218-03	. 1930	 	934.B
2 5	0000	55000	12.000	0-060	.8900-02	. 1230-01	. 1669-03	.1363-03	.1880-03	.8700-01	.0820	535.0
9 9	.0000	.60000	13.000	.8400-02	.6900-02	-0056	. 1292-03	. 1055-03	. 1455-03	.6800-01	0689.	534.9
10	1.0000	.65000	14.000	.7500-02	-6100-05	.8403-0 2	.1146-03	.9359-04	. 1291-03	.6000-01	.6110	535.0
5	1.0000	.70000	15.000	-4100-05	.3300-02	.4600-02	.6217-04	-5078-94	.7003-04	.3300-01	2500	0.45°
<u>o</u>	1.0000	.80000	17.000	.8000-03	. 7000-03	- 1000-05	1295-04	.105e-04	*0-65*1·	.7000-02	.6500-01	533.5
<u>o</u> :	2.0000	28500	18.000	1460-01	19-06-1	16-0-01	.2233-03	. 18:4-03	50-515-03	67.T.		5. 4. a
9 9	2.0630	.33700	19.000	10-0191	19-0-21	10-0391.	200-67	2001-03	2000-03	1300	538 8.00 c	354.U
9 9	2.0000	. 39000	20.000	10-0567	10-0651	2200-01	2991-03	.2443-03	.3369-03	0751.	. 978 . 978	534.6
? 9	2.0300	.47800	22.000	1290-01	10-0501	1450-01	. 1979-03	. 1616-03	.2228-03	940	<u>.</u>	533.9
20	2.0000	.53000	23.000	. 1030-01	.B+000-02	1160-01	. 1560-03	. 1290-03	.1779-03	.8300-01	.9290	53.7

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DATE 07	87 0CT 75		CH-74 (AEDC V418-BBA) HEATIND DATA ON OMBITER FUSELAGE PORT SIDE	V+18-89A)	HEATING D	ATA ON ORE	II TER FUSEL	AGE PORT S	3015			PAGE	8
				0H-7% (AED	OH-7% (AEDC V418-88A) GG2C12F1OM1GW127E52VBR19	n BG2C12F1	OMIGMIZTES	2VBR19				(RVB004)	ŝ
3	TRATE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(970)	H(10)	H(TAH)	1000	DTMDT	7	
NUMBER				R=0.9	R-1.0	R-TAH	BTU/ R	8TU/R	87U/ R	910/	DEG. R	DEG. R	
						,	FT2SEC	FTZSEC	FT2SEC	FTZSEC	75.C		
0	£.0000	.56700	₩. 900.	.7500-05.	.6100-02	.8500-02	.1152-03	5-E13.	. 1298-03	.6100-01	.6610	534.	
<u>.</u>	2.0000	.62000	3.000	.6100-02	.5000-02	-0069.	-9386- -5386-	2-075.	.1057-03	10-0064.	.5390	534	
2 :	2.1300	.67000	8 98	\$0-000 * .	£0000-03	20-000c.	CD-C280.	50-0/66	cn-999/	אורטטטיי.	10-0055	0.5.5.8 6.2.3.7	
2 :		966	200.00	-0000.	50-000c.	50-0001	40-6046	- 1767.	20-20-6	1300-01	0350	533.8	
2 5		H0000	20.000	. 7000-03	.6000-03	.8000-03	1086-04	.8872-05	.1423-04	.6000-02	.6300-01	534.6	
2	3.0000	.20000	31.000	.2800-01	.2280-01	.3150-01	.4292-03	.3502-03	.4858 -33	2240	2.382	537.9	
2	3.0000	.22500	32.000	19-0952.	.2090-01	.2890-01	.3930-03	.3208-03	.4428-03	.2060	2.310	536.3	
9	3.0000	.25000	33.000	1980-01	.1610-01	.2230-01	.3032-03	.2477-03	TH17-03	.1590	1.787	535.3	
2	3.0000	27500	34.000	10-0251.	10-0521	.1730-01	.2354-03	. 1923-03	.2651-03	0521.	1.468	534.2	
2	3.0000	. 30000	35.000	10-0241	.1170-01	.1610-01	.2189-03	.1788-03	.2464-03	.1150	1.432	533.5	
<u>.</u>	3.0000	.32500	36.000	.2050-01	10-0891	.2320-01	.3155-03	.2578-03	.3553-03	. 1660	-,95⊬	533.8	
<u>.</u>	3.5000	.35000	37.000	10-07 PS.	.2020-01	.2780-01	.3792-03	.3098-03	.4270-03	1990	2,325	533.6	
2	3.0000	.37500	36.000	10-0651	. 1620-01	.2240-01	.3048-03	. 24 91-03	.3433-03	.1600	1.888	533.7	
<u>°</u>	3.0005	0000 ^ .	39.000	10-00-1.	J-0+11.	1570-01	.2141-03	. 1750-03	.2411-03	.1130	1.335	533.1	
5	3.0000	£2500	40.000	10-0/21.	.1120-01	. 1550-01	.2108-03	.1722-03	.2373-03	0111	1.321	533.2	
10	3.0000	.45000	41.000	:0-0011	-00006.	.1240-01	.1694-03	. 1384-03	::907-03	. 8900-ค.	₹0.1	533.3	
õ	3.0000	7500	42.000	10-0501.	.8600-02	10-08;1.	.1608-03	. 1314-03	. 1811-03	.8500-01	9480	533.2	
2	3.0000	. 50000	43.000	. 7806-02	-e4c0-05	.8800-02	.1200-03	+0-6086	.1352-03	.6300-01	0707.	533.5	
0		.52500	44 . 000	.6300-02	.5100-02	.7100-02	.9645-04	.7882-04	.1086-03	.5100-01	.5980	533.1	
2		. 55000	45.000	.5800-02	.4803-02	.6600-02	. 393v-0v	.7301-04	.1006-03	10-00-4.	.5270	533.1	
0		.60000	46 .000	4600-02	.3700-02	.5100-02	.7010-0M	.5729-04	.7893-04	.3700-01	.4030	533.2	
<u>.</u>	3.0000	.65000	47.090	. 3800-02	.3100-02	-4330-02	.0-1065.	.4821-04	.6644-04	.3100-01	.3316	533.5	
2		.70000	48.000	20-0061.	. 1500-02	.2100-02	.2843-04	.2322-04	.3201-64	10-0051	. 1660	533.7	
<u>.</u>		.75000	49.000	.1000-02	.8000-03	.1100-02	.1523-04	. 1244-04	.1715-04	.8000-02	8700-01	533.8	
2	3.0000	. 50000	50.000	.8000-03	.7000-03	E0-0006	.1272-04	.1039-04	.1432-04	.7000-02	.7200-01	534.6	
2		00%/8	52.060	.5000-03	.4000-03	.5000-03	.7349-05	.5239-05	.8282-05	-0000h.	10-0084	536.6	
<u>.</u>	3.0000	00006	53.000	.3000-03	.3000-03	.4000-03	.5002-05	. ~082-35	.5637-05	. 3000-02	3700-01	5.7.0	
9		.92500	54.000	.3000-03	.3000-03	£0-000h,	.5315-05	.4337-05	.5990-05	3000-05	.3700-01	537.0	
2	3.0000	.950cg	55.000	£0-000h.	.3000-03	.5000-03	.6520-05	.5328-05	.7357-05	. 3000-02	. 3500-01	536.9	
0	٠, 0000	.20000	71.000	31 '0-0!	.2550-01	.3520-01	.4791-03	.3907-03	.5402-03	0672	2. 856	258.8	
9	¥.0000	.22500	25.000	.2520-0:	10-0502	10-0%82	.3861-03	.315<-03	-03	202.	6.37B	5000 m	
2		25000	73.030	.2010-01	10-0-91	.2260 01	. 3076-03	.2512-03	\$0-G	.161,	969.	272.2	
0	۴.0000	27500	74.000	. 1860-01	. 1520-01	.2103-01	.287. 03	.2335-03	.: .:1-03	. 1500	1.863	535.2	
0	۰۰ ۵۰۵۵	.30000	26.000	.2120-01	.1730-01	.2390-01	. 3253-03	.2657-03	. 3663-03	.1710	2.250	534.1	
0.	4.0000	.32500	£7.000	10-0761	.1590-01	.2150-01	.2977-03	.2432-03	.3352-03	. 1560	2.061	533.7	
0	4.0007	35000	26	1390-01	.1130-01	10-0951	.2130-03	1741-03	.2399-03	.1120	1.576	533.5	
9	4.0000	.37500	. 6 5	.1120-01	.9200-02	.1260-01	.1718-03	.1404-03	.1935-03	10-0006.	1.191	533.4	
2	¥.0000	0000h	60.000	. 8¥00-02	.6800-02	.9+00-02	1284-03	1049-03	.1445-03	.6700-01	.8890	533.5	
9	۰, 0000	. £2500	61.000	.7000-02	.5700-02	.7900-02	.1075-03	.8785-0	.1211-03	.5700-01	.7450	533.3	
01	۴.0000	. 45000	62.000	.5100-02	-4100-0S	50-0075.	.7760-04	.6358-04	.8761-04	10.0014.	.5330	533.3	
5	4.0000	. 47500	63.000	50-00L+	.3900-02	.5300-02	.7275-04	.5945-04	.8192-04	.3800-01	6930	533.4	
ō	000°∵√	.50000	64.000	. 3500-02	-2000 - 05	3900-05	.5362-04	.4381-04	.6037-04	.2800-01	.3510	533.4	

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DATC 07 OCT	2C 130 /		OH-74 (AEDC V418-BBA)	V418-88A)		HEATING DATA ON ORBITER FUSELAGE PORT	HER FUSE	AGE PORT S	SIDE			PAGE 294
				OH-74 (AED	C V418-B8/	24-74 (AEDC V4;8-88A) 862C12F10M16M127E52VER19	10M16W127E	6143729				(RVB004)
\$	TRACE	۲,۲	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HI TAK)	1000	DTMDT	7
NUMBER				R=0.9	R-1.0	R=TAH	BTU/ R	81U/ R	BTU, R	BTU/	DEA. R	DEG. R
							FT2SEC	FTZSEC	FT2SEC	FT2SEC)3 5 /	
9	۴.0000	2500	65.000	.3400-02	.2800-02	.3900-02	.5253-04	49-16-4	.5915-04	.2800-01	.3430	533.7
10	. 0000	.55000	66.000	.2400-02	.2000-02	50-0075.	.3719-04	.3039-04	*0-8814°	.2000-01	. 2300	533.8
9	4.5300	.60000	67.000	50-0041.	. 1200-02	. 1600-02	.2174-04	1776-04	40-844Z.	1169-01	. 1290	534.1
9	₩.3000	.65000	68.000	. 1900-02	. 1600-02	.2200-02	.2955-04	.P414-04	.3329-04	. 1600-01	. 1830	534.6
01	٠.0000	.70000	69.000	.3000-03	.2000-03	.3000-03	. 3850-05	3144-05	4337-05	.2000-02	.2300-01	535.2
01	4.0000	.80000	75.000	.2000-03	.2000-03	.2300-03	. 2880-05	.2351-05	. 3244-05	.2000-02	16-0081.	535.9
10	4.0000	.85000	76.000	.2800-02	.2300-02	3100-05	.4255-04	.3475-04	4792-04		.2660	534.6
10	4.0000	.87500	77.000	.3000-03	.2000-03	0005.	3112-05	.3357-05	.4633-05		.2803-01	535.9
10	4.0000	00006	78.000	.1000-02	.8000-03	.1100-02	1519-04	. 1240-04	.1712-04		. 1030	537.2
01	4.0000	.92500	79.000	. 1500-02	.1200-02	.1700-02	.2252-04	.1839-04	.2538-04	. 1200-01	. 1460	536.2
0	₹.9000	.95000	80.000	. 1600-02	. 1300-02	. 1800-02	.2458-04	.2005-04	₩0-5775.	0000	.0000	583.3

				OH-74 CAE	:0C V418-B	04-74 (AEDC V418-88A) BG2C12F10H16W127E52V8R19	10M16W127	:52V8R19				(RVB004)
ORB I TE	ORBITER FUSE, AGE							PARAH	PARAMETRIC DATA			
					BETA	-1.000	НАСН	8 .000	ELEVON .	.0000	RUDDER .	0000
					•••169	***TEST CONDITIONS***						
RUN	MACH	ALPHA	~ d	10 0.50	ij,	YAR	- g	٩	0	> {	S S	2
		; }			Š	S		₹ E	¥ S	1/56	SLUGS /FT3	LB-SEC /FT2
=	7.880	£3.8±	82.80	1177.	-175.8	-1.000	07.70	- 3000-05	0404.	3616.	.8946-05	. 7062-07
RGN N. #BER	RN/L X10 6	HREF BTU/ R	STN NO									
=	1864.	1539-01	.5989-01									
					•	***TEST DATA***	:					
£	TRACE	x/r	1/C NO	H/HREF	H/HREF	H/HREF	H(9T0)	Н(10)	HE TAH)	1000	DTMO	3
NUMBER				R=0.9	R=1.0	R-TAH	BTU/ R	BTU/ R	9TU/ R	BTU/	DEG. R	DEG. R
=	0000	27500	0000	0			FIRSEC	FTZSEC	FTZSEC	FTZSEC	250	
: =	1,0000	30000	2.0000	12-0-21.	. 1900-02	1370-01	. 1865-03	. 1522-03	.2101-03	.9700-01	1.122	537.3
=	1.0000	. 32500	3.0000	.1260-01	.1030-01	1420-01	.1933-03	.1578-03	.2178-03	1010	1.9.1	536.7
= :	1.0000	.35000	4.0000	1830-01	10-06+1	.2060-01	.2918-03	. 2300-03	.3176-03	. 1470	1.531	537.0
: =	1.0000	00004	6.0000	10-0-01	10-05-11	10-0581	2531-03	.2065-03	. 2853-03 3045-03	1320	1.392	537.5
=	1.0000	.42500	7.0000	1930-01	10-0851	.2180-01	. 2971-03	.2424-03	.3349-03	. 1550	1.611	537.6
=	0000	.45000	B.0000	10-0751.	.1280-01	10-0771.	.2420-03	. 1975-03	.2727-03	. 1260	1.296	537.0
= :	0000.	.47500	9.000	1540-01	. 1260-01	10-0421.	.2373-03	. 1936-03	.2674-03	. 1240	1.265	537.2
= =	0000	.50000	000.	10-0841	10-0-01	10-0891.	. 2292-03	. 1871-03	. 2583-03	. 1200	1.217	536.9
: =	1.0000	. 55000	12.000	10-0101	60-00£8	10-031	50-1951	50-9861.	.2190-03	.1020	1.032	536.7
::	1.0000	.60000	13.000	.7900-02	.6500-02	20-0069.	.1217-03	.9937-04	. 1372-03	6400-03	6470	5
Ξ	1.0000	. 65000	14.000	.3300-02	50-0075.	.3703-02	.5034-04	.4110-04	.5672-04	. 2600-01	.2680	535.9
Ξ.	1.0000	. 70000	15.000	.1300-02	.1100-02	.1500-02	.2076-04	.1695-04	.2339-04	.1100-C1	0.1010	535.5
= :	1.0000	.75000	16.000	-000 2	. 1500-02	.2500-02	. 3032-04	.2476-04	.3415-04	. 1600-01	. 1620	535.0
= :	1.0000	. 80000	17.000	20-0081	500-051	50-0012	.2832-04	.2312-04	3191-04	.1500-01	. 1440	536.2
= :	2.0000	00005.	18.000	10-0550	10-0/11.	. 1620-01	. 2209-03	. 1803-03	. 2430-03	. 1150	1.358	537.1
= =	6.00m	. 35700	19.009	10-0222.	1810-01	10-0055.	.3421-03	. 2792-03	.3855-03	. 1790	2.113	537.1
= =	0000	0006.	2.000	10-0/61	10-0131	יפכנט-010.	. 3050-03	.2473-03	. 3415-03	. 1580	1.871	537.3
•				10000	2	1770-0	F C 1 F C	- O - U - C -	20.4.00	000		

were any of the same of the sa

DATE 07 OCT	7 OCT 75		OH-74 (AED)	OH-74 (AEDC V18-85.1)		DATA ON OR!	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	.AGE PORT	3015			PAGE 296
				٥. ، دور	C V418-88	N BESCIEF	, 1.EDC V418-88A) 862C12F10M16W127E52V61.19	52Vbi.19				(RVB004)
RUN	TRANE	x/r	1/C ND	H/' ÆF R-0.9	H/HREF R=1.0	H/HREF R=TAH	H(910) BTU/ R	H(TO) BTU/ R	HITANI BTU/ R	800T 81U/	DEG. R	TH DEG. R
Ξ	0	63000	000.55	7500-02	.6100-02	-8400-05	1151-03	9791-04	.1297-03	.6000-01	.6720	538.6
=	2.0000	.56700	24.000	.6800-02	.5500-02	.7600-02	. 1041-03	¥0-96¥8°	.1173-03	10-00±0	9£0.	536.2
=	2. r.300	.62000	25.000	.3900-02	. 3200-02	50-00hh.	.6021-04	*0-816 4.	.6783-04	. 3200-01	3440	535.8
Ξ	8.3000	.70500	27.000	.1000-03	.1000-03	.1000-03	. 1935-05	. 1581-05	.2180-05	. 1000-02	1000-01	534.4
=	2.0000	.75000	28.000	. 1500-02	. 1200-02	.1700-02	.2291-04	.1871-04	.2580-04	. 1200-01	. 1330	534.6
=	S.0000	30000	29.000	. 1000-02	.8000-03	. 1200-02	.1577-04	.1288-04	.1776-04	-00008	.9200-01	535.0
=	2.0000	.82400	30.000	£0-0004.	.4000-03	.5000-03	.6883-05	.5620~05	.7754-05	-4000h.	.5000-01	535.6
=	3.0000	.20000	31.000	,2820-01	,2300-01	.3180-01	.4338-03	.3538-03	.4891-03	. 2260	2.400	539.1
=	3.0000	.22500	32.000	.2340-01	1910-01	.2640-01	.3603-03	. 2939-03	.4062-03	0881.	2.109	538.1
Ξ	3.0000	.25000	33.000	.1870-01	. 1530-01	.2110-01	. 2882-03	.2351-03	.3248-03	. 1500	1.689	537.6
=	3.0000	.27500	34.000	1590-01	1300-01	10-06/1.	.2447-03	. 1997-03	.2757-03	. 1280	1.536	537.0
=	3.0000	.30000	35.000	10-0841.	.1450-01	.2010-01	.2743-03	. 2239-03	.3091-03	. 1430	1.780	536.8
=	3.0000	.32500	36.000	.2260-01	. 1850-01	.2550-01	.3480-03	. 2840-03	. 3921-03	. 1820	2.140	536.8
Ξ	3.0000	.35000	37.000	. 1850-01	.1510-01	.2090-01	.2852-03	. 2328-03	.3215-03	06*1.	1.736	536.8
=	3.0000	.37500	38.000	1790-01	10-0941.	.2020-01	. 2755-03	. 2249-03	.3105-03	0551.	1.69	536.8
=	3.0000	40000	39.000	.1250-01	. 1020-01	1410-01	. 1926-03	1572-03	.2170-03	0101.	1.192	536.1
=	3.0000	.42500	40.000	1080-01	.8800-02	.1210-01	. 1658-03	.1353-03	. 1868-03	.8700-01	1.032	536.1
=	3.0000	.45000	41.000	-00-05	50-0077.	.1060-01	.1452-03	.1185-03	.1636-03	.7600-01	.8710	536.1
=	3.0000	.47500	42.000	. 8700-02	.7100-02	20-0066.	. 1346-03	.1099-03	.1517-03	.7000-01	. 7880	536.0
=	3.0000	.50000	43.000	.5500-02	500-05h.	.6200-02	.8478-04	.6921-04	. 9552-04	10-00-4.	۰4960	536.0
=	3.0000	.52500	44.000	£0-0064.	50-000h.	.5500-02	.7565-04	.6177-04	.8523-04	10-0004.	.4670	535.5
=	3.0000	.55000	45.000	500-054	.3700-02	.5000-05	.6894-04	.5630-04	.7767-04	.3600-01	0505.	535.4
=	3.0000	.50000	46.000	. 3000-02	. 2400-02	. 3400-02	+0-009h.	.3757-04	.5182-04	.2400-01	.2630	535.0
=	3.0000	. 05000	47.000	.1100-02	.9000-03	.1300-02	.1763-04	¥0-0+41.	. 1985-04	. 9000-02	10-0066	534.8
=	3.0000	.70000	48.000	.1500-02	. 1300-02	.1700-02	.2365-04	. 1932-04	. 2664 - 04	. 1200-01	.1370	53.
=	3.0000	.75000	49.000	.1000-02	.8000-03	. 1200-02	.1576-04	.1287-04	1775-04	.8000-02	10-0006	534.6
=	3.0000	.80000	50.000	.4000-03	. 3000-03	.4000-03	.6069-05	.4957-05	.6836-05	3000-05	3400-0;	534.7
=	3.0000	.85000	51.000	.5000-03	.4000-03	.5000-03	20-67+7.	.6106-05	.8427-05	£0-000×.	4963-01	535.0
=	3.0000	.87500	52.000	. 9000-03	.7000-03	-1000-05	.1377-04	.1124-04	. 1551-04	. 7000-02	10-0068	536.3
Ξ	3.0000	.9006.	53.000	. 8000-03	.6000-03	.9000-03	.1165-04	.9510-03	.1313-04	∈ທ-0009·	10-0058	235.5
=	3.0000	.92500	54.000	. 1300-02	.1100-02	.1500-02	.2026-04	. 1654-04	. 2283-04	. 1165-01	0651	536.6
=	3.0000	.95000	55.000	. 1200-02	.9000-03	. 1300-02	1784-04	.1456-04	.2010 - 04	- 90006	10-0056	536.5
=	4.0000	.20000	71.000	.2910-01	.2370-01	. 3280-01	.4480-03	. 3652-03	.5053-03	. 2330	2.662	540.6
=	۴.0000	.22500	72.000	.2420-01	1970-01	.2733-01	. 3724-03	.3037-03	.4158-03	0461.	2.280	538.6
Ξ	۴.0000	.25000	73.000	.2270-01	. 1850-01	.2560-01	.3495-03	. 2852-03	.3940-03	. 1820	2. L4	537.9
Ξ	٠٠ ، 0000	.27500	74.000	1940-01	1580-01	.2190-01	. 2986-03	.2436-03	.3366-03	. 1560	1.933	539.0
Ξ	4.0900	.30000	56.000	.2040-01	1670-01	.2300-01	.3146-03	.2557-03	.3545-03	. 1640	2.161	537.0
=	۴.0000	.32500	57.000	.1550-01	.1260-01	.1740-01	. 2391-03	. 1943-03	.2673-03	₽. 17-0-1-	1.637	536.7
=	4.0000	.35000	58.000	. 1306-01	. 1060-01	.1470-01	.2006-33	. 1638-03	. 2261-03	. 1050	1.381	536.2
=	4.0000	.37500	59.000	.9500-02	50-00TT.	10-2/01.	. 1450-03	.1192-03	. 1645-03	.7600-01	1.005	536.2
Ξ	4.0000	00005	60.000	.6600-02	5400-05	.7400-02	.1014-03	.8277-04	.1142-03	.5300-01	.6980	535.8
-	4,0000	.42500	61.000	.5200-02	.4300-02	.5900~02	.8060-0	.6581-04	+0-0806 .	.4200-01	. 5550	535.6
: =	4.0000	45000	62.000	-000h.	.3200-02	500-05%.	*0-0609 .	4972-04	.6861-04	. 3200-01	0517.	535.6
:	,	,										

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חאוני מ	UAIL 0/ U. /5		OH-74 (AEDC V4/8-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	V4 (8-88A)	HEATING D	ATA ON ORB	II TER FUSEI	AGE PORT S	<u> </u>			PAGE	297
				0H-74 (AEC	04-74 (AEDC V418-88A) 862C12F10M16H127E52V8R19	BESCIEF!	0M16W127E	52VBR19				(RVB	RV8004)
Ş	TRATE	χγ	1/C NO	H/HREF	KVHREF	H/HREF	H(910)	H(70	HI TAH	2000	DTMDT	7	
NUMBER				R=0.9	R-1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	0E0	œ
							FT2SEC	FTESEC	FTESEC	FTZSEC	/SEC		
=	4.0000	.47500	63.000	.3500-02		-4000 h	*0-1+*6.	40-E444.	.6130-04	.2800-01	.3640	535.5	
Ξ	4.0000	.5000	6 ₹.000	.2800-0 2		3100-05	.4261-04	.3+80-64	+0-108h.	10-0052.	.e770	535.5	
=	4.0300	. 52500	65.000	.3000-22		3400-05	.¥586-0¥	.3744-04	.5166-04	10-00-2.	.2980	535.7	
=	4.3000	. 55000	66.000	-20008 .		.2200-02	.3043-04	. 2485-04	.3428-04	10-0091	. 1880	535.4	
=	4.0000	.60000	67.000	. 80000-03	-	1000-02	. 1298-04	.1060-04	.1462-04	.7000-02	.770,	535.3	
=	4.0000	.65000	68.000	.1600-J2		1800-02	.2507-04	.2047-04	.2824-04	. 1300-01	. 1550	535.4	
=	4.0000	. 70000	69.000	. 1500-02		. 1600-02	.2245-04	.1833-04	.2529-04	. 1200-01	.1310	536.0	
=	₹.0000	.75000	70.000	.1100-02		. 1200-02	.1652-04	. 1350-04	.1861-04	. 9000-02	10-0078.	534.9	
=	4.0000	.e^300	75.000	. 1400-02	-	1600-02	.2145-04	.1751-04	·2417-04	10-0011.	.1360	535.7	
=	۴.0000	.85000	76.000	. 1900-02	-	-2100-02	. 2905-04	.2373-04	.3272-04	10-0051	. 1820	534.3	
=	۴.0000	.87500	77.000	. 2200-02	-	2500-02	.3446-04	.2814-04	. 3882-04	.1800-01	.2380	535.3	
=	٨.0000	.90000	78.000	.3300-02	-	3700-02	.5088-04	4154-04	.5733-04	. 2700-01	.3460	535.8	
=	۴.0000	.92500	79.000	-4100-05	-	4600-02	.6248-04	.5102-04	.7039-04	.3300-01	.4070	535.5	
=	4.0000	.95000	80.000	.1600-02	. 1300-02	. 1800-02	.2458-04	.2002-0v	40-5775.	0000	.0000	583.3	

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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATE 07	DATE 07 OCT 75		0H-74 (AED)	OH-74 (AEDC V418-88A) HEATING DATA ON ORBITE? FUSELAGE PORT SIDE	HEATING	DATA ON OR	BITEA FUSE	LAGE PORT	3019			PAGE 298
				OH-74 (AE	DC V*18-B6	04-74 (AEDC V418-88A) BG2C12F10M1GH127E52VBR19	10M16W127E	52VBR19				(RVB004)
ORB! TER	ORBITER FUSEL AGE							PARAM	PARAMETRIC DATA			
					BETA	-1.000	MACH	. 6.000	ELEVON .	00000	RUDOER .	0000.
					•••169	***TEST CONDITIONS***	; ;					
2	MACH	ALPHA	2 8	0 0	# £	A A A	- C	۵ <u>۲</u>	0 8	V FT/SEC	St. UGS	MU LB-SEC
ACTOR I		9	Š	3	Š	į			;	1	/F13	/FT2
25	7.940	29.83	190.6	1255.	90.19	-1.100	92.20	J-0012.	.9050	3736.	.1865-04	. 728-07
R.N.	RB/L	HPEF	STN NO									
NUMBER	X10 6	BTU/ R	ė									
25	14/	2322-01	c/ 10.									
1												
					•	**** DATA***	:					
8	TRACE	X/X	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	HCT0	HETAW	1000	DTMOT	Ŧ
N.P.B.F.R		i	!	R=0.9	R-1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	970/	0EG. R	DEG. R
							FT2SEC	FT2SEC	FT2SEC	FT2SEC) SEC	
25	1.0000	.27500	1.0000	.1310-01	1080-01	.1460-01	. 3032-03	.2499-03	.3394-03	. 1780	1.850	541.3
25	0000 1	.30000	2.0000	.1110-01	.9100-02	. 1240-01	.2573-03	.2121-03	.2880-03	. 1510	1.610	9.040 9.00
25	1.0000	. 32500	3.0000	.9800-02	.8100-02	.1100-01	.2276-03	. 1877-03	.2548-03	<u>کر</u>	.380	540.N
2 2	0000	.35000	£.0000	10-0701.	. 8800-02	19-00-1	. 2483-03	2048-03	27-8775.	1450	5 5	340.0 540.6
ህ ኢ	0000	0000	6.0000	10-0901.	1500-01	.2030-01	.4211-03	.3471-03	.4714-03	.2480	2.549	540.8
: %	1.0000	. 42500	7.0000	.2060-01	1700-01	.2310-01	.4792-03	.3949-03	.5365-03	. 2820	2.855	541.7
긵	1.0000	.45000	B.0000	.2190-01	1810-01	.2450-01	.5088-03	.4193-03	.5696-03	. 2990	3.061	541.6
25	1.0000	. 47500	9.000	.2850-01	.2350-01	.3190-01	.6612-03	5447-03	7404-03	.3880	3.949	542.8
25	1.0000	.50003	10.000	.2870-01	.2360-01	3260-01	. 6662-03	.5488-03	.7461-03	0.62.	אנציג מטר כ כפר	343.1 54. 5
8 8		00000	000.11	1720-01	10-02-1	10-0-01	40.8-03	3312-03	50-1644	.2370	2.378	540.7
u 2	0000	. 60000	13.000	10-0111	.9200-02	.1250-01	.2589-03	.2134-03	.2897-03	. 1530	1.549	539.9
2	1.0000	.65000	14.000	.1070-01	.8800-02	. 1203-01	.2482-03	.2047-03	.2777-03	. 1460	1.487	539.3
25	1.0000	. 70000	15.000	50-0077.	.6350-02	.8600-02	.1783-03	. 1471-03	. 1995-03	. 1050	1.033	538.3
23	1.0000	.75000	16.000	.3200-02	.2700-02	.3600-02	.7480-04	.6171-04	.8368-04	10-0044	0644	538.0
25	1.0000	.800	17.000	.1000-02	.9000-03	.1200-02	.2426-04	. 2002-04	.2713-04	1400-01	00+1	537.4
25	2.0000	.2850C	18.000	.1370-01	1130-01	.1530-01	.3:80-03	. 2621-03	.3559-03	. 1870	2.197	54
23	2.0000	.33700	19.000	.1230-01	10-0101	1370-01	.2848-03	.27 ·B-03	.3187-03	0891.	786. 1	740.R
S S	2.0000	.39000	20.000	10-0-65	10-0-10-10-10-10-10-10-10-10-10-10-10-10	19-06-51	. 5865-U3	50-750C.	7598-03	3980	4. 566 4. 566	7 W 10 M
25 23	2.0000 2.0000	. +7800	22.000	2160-01	1780-01	10-02-Z.	.5025-03	. 1414.	.5626-03	. 2950	3.294	9-1-18

DATE 07	27 TOC 1		OH-74 (AED	OH-74 (AEDC V418-88A)		DATA ON ORE	HEATING DATA ON ORBITER FUSELAGE PORT	AGE PORT S	30 IS			PAGE 299	8
				OH-74 (AE)C V418-68/	N BESCIEF	OH-74 (AEDC V418-88A) BG2C12F1OM16W127E52VBR19	52VBR19				(RVB004)	7
Z	TANE	X/L	1/C NO	H/rater	H/HREF	H/HREF	H(910)	H(10)	H(TAH)	1000	DTMDT	3	
NUMBER		1	•	R=0.9	R=1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R	
		,	;			;	FTZSEC	FTZSEC	FISSEC	1 6360	7 19 19	8	
2 1	2.0000	.53000	23.000	1270-01	1040-01	10-0241	50-6756	50-436-	50-1625.	05/1.	1.935 5.73	3,000	
N R	2.0000	00/00.	200. X	7500-02	5000-02	10-00-U	1739-03	1434-03	1945-03	1030	61.1	538.7	
i n	2000	67000	26.000	-0084	. 3900-02	.5300-02	.1103-03	-0-1016	. 1234-03	.6500-01	.7110	538.4	
5 6	2.0000	.70500	27.000	.3300-02	.2700-02	.3700-02	.7715-04	.6365-04	.8630-04	.4600-01	.4930	537.6	
8	2.0000	.75000	28.000	. 1600-02	.1300-02	.1800-12	.3655-04	.3017-04	+0-880+.	.2200-01	. 2390	536.8	
ಜ	2.0000	.80000	29.000	.6000-03	.5000-03	.7000-03	1471-04	1214-04	1645-04	-000G·	.9600-01	537.1	
25	2.0000	.82400	30.000	.0000	0000	0000.	.9734-06	. 8032-06	. 1089-05	. 1000-02	-80008	537.1	
25	3.0000	.20000	31.000	.2810-01	.2320-01	.3150-01	.6533-03	.5377-03	.7320-03	.3810	150.5	0.00 10.00 10.00	
25	3.0000	. 22500	32.000	.2470-01	.2030-01	.2770-01	.5736-03	.4722-03	.6426-03	.3350	3.753	944.9	
22	3.0000	25000	33.000	1910-01	1570-01	.2140-01	.4432-03	. 3651-03	.4962-03	. 2600	2.912	9. V. G	
<u>ب</u>	3.0000	. 27500	34.000	10-0151.	10-00-11	10-0691	50-0165.	. 6883-03	. 3969-03	020.	0 d	541.3	
₩ (3.0000	30000	35.000	10-0521	10-0701.	17-0-01	3545-03	50-6456	50-1965	0602	יים. קיים קיים	0.076	
ህ የ	3.0000	25000	30.600	2610-01	2150-01	2930-01	5070-03	5002-03	6795-03	.3570	97	541.6	
u ?	3.0000	32500	38.000	3390-01	2790-01	3790-01	.7862-03	6475-03	.8805-03	.4610	5.405	543.4	
, t	3.000	00004	39.000	.2160-01	1780-01	2420-01	.5022-03	4139-03	.5622-03	. 2950	3.487	541.3	
; ₂	3.0000	42500	40.000	.2040-01	1680-01	10-082-7	.4732-03	.39003	.5297-03	.2780	3.302	541.4	
2	3.0000	.45000	41.000	10-0191	.1330-01	10-0081	.3733-03	.3078-03	78-03	. 2200	2.519	540.0	
25	3.0000	.47500	42.000	10-0751.	10-0501	10-05+1.	.2960-03	2440-03	. 3312-03	.1750	646∵1	539.7	
25	3.0000	.50000	43.000	10-0111.	.9100-02	.1240-01	.2570-03	.2119-03	. 2975-03	. 1520	1.693	539.4	
25	3.0000	.52500	44.000	.7400-02	.6100-02	.8300-02	.1715-03	.1414-03	. 1919-03	.1010	161.1	538.6	
22	3.0000	.55000	45.000	.6600-02	.5400-02	.7400-02	.1526-03	. 1259-03	.1708-03	10-0006	1.008	538.3	
25	3.0000	.60000	₩B.000	-480c-05	400u-05	5400-05	.1125-03	.9283-04	. 1259-03	.6700-01	.7260	537.9	
25	3.0000	.65000	47.000	.3600-02	.3000-02	50-000×°	.8392-24	·0-+269·	.9386-04	.5000-01	. 5290	537.3	
25	3.0000	. 70000	48.000	. 1700-02	.1400-02	. 1900-02	.3925-04	.3239-04	+0-06£ +.	.2300-01	.2570	536.9	
25	3.0000	.75000	49.000	.6000-03	.5000-03	.7000-03	.1370-04	1130-04	. 1532-04	-0008.	10-0068	536.7	
25	3.0000	00008	50.000	3000-03	3000-03	*000°-03	. 7882-05	-6204-059	.8416-05	50000-05	10-0005.	537.0	
25	3.0000	.85000	51.000	\$0-0004.	3000-03	£0-000h.	.8187-05	.6754-05	.9158-05	50000-02	.6000-01	5.88.c	
22	0000	.9006.	53.300	.5000 33	*0-000h	50-000c.	*0-0c0!.	CU-8008.	*0-67 11.	20-0000	0-00/8.	200.4	
გ ;	3.0000	.92500	54.000	500-05	50-00-00	50-00-1	30.50-04	ים אַפּרַכּי אַפּרַכּי	*0-08ee	1500-01	1530	538.4	
y ?	3.0000	00000	23.000	2320-0E	10-0475	3740-01	10-02/2	6363-03	8677-03	0644	5.120	549.0	
, s	1,000	22500	72.000	10-0052	.2060-01	.2800-01	.5798-03	.4772-03	.6+97-03	.3380	3,961	546.2	
; ;	0000	25000	73.000	1950-01	1580-01	.2150-01	.4467-03	.3678-03	.5003-03	.2620	3.066	544.1	
2	4.0000	.27500	74.000	. 1830-01	1500-01	.2050- 31	.4240-03	.3493-03	.4749-03	. 2×90	3.078	543.2	
2	4.0000	30000	56.000	.2020-01	.1660-01	.2260-01	.4692-03	. 3865-03	. 5253-03	.2750	3.612	542.5	
25	٠, 0000	.32500	57.000	.2800-01	.2300-01	.3130-01	.6494-03	.5348-03	.7273-03	. 3800	4.983	544.0	
23	4.0000	.35000	58.000	. 2250-01	1850-01	.2510-01	. 5213-03	.4294-03	.5837-03	.3060	£.011	542.7	
25	٠, 0000	.37500	59.000	14-07-01	10-0121	. 1650-01	.3421-63	.2820-03	. 3829-03	.2010	2.645	5.0.5	
25	₹.0000	00004.	60.000	10-0201.	. 8800-02	. 1200-01	.2482-03	.2046-03	.2777-03	. 1460	1.95	0.070	
22	۴.0000	.42500	61.000	-00-00-05	.6800-02	50-056.	1908-03	.1574-03	.2136-(3	.1130	1.480	539.3	
25	4,0000	.45000	62.000	-00+9	.5300-02	. 7200-02	. 1488-03	. 1228-03	. 1665-03	10-00AB.	- 1.4 <u>2</u>	358.B	

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DATE 0	DATE 07 OCT 75		OH-74 (AEDC V418-88A)	V418-88A)	HEATING (HEATING DATA ON ORBITER FUSELAGE PORT	HTER FUSEL		S10C			PAGE 300
				OH-74 (AEE	OH-74 (AEDC V418-88A)	v) B62C12F	B62C12F10H16H127E52V8R19	52V8R19				(RVB004)
\$	TRACE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	H(TAN)	1000	DTWDT	2
NUMBER		ı		R=0.9	R-1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	910	DEG. R	DEG. R
							FTZSEC	FT2SEC	FT2SEC	FT2SEC	/SEC	
25	۴.0000	.47500	63.000	.5300-02	S0-00+4.	.5900-02	. 1231-03	.1015-03	.1377-03	.7300-01	.9280	538.8
25	4.0000	. 50000	000 · ±0	.3700-02	. 3000-02	.4100-02	.8548-04	.7051-04	.9563-04	.5100-01	.6270	538.4
25	4,6300	. 52500	65.000	.3400-02	. 2800-02	.3800-02	.7502-04	.6519-04	.8841-04	.4700-01	.5800	538.4
25	₩. 3000	. 55000	99.000	-2000-05	.2400-02	.3200-02	.6719-04	.5543-04	.7516-04	.4000-01	.4670	538.1
25	4.0000	.60000	67.000	.2100-02	. 1700-02	.2300-02	4839-04	.3993-04	.5413-04	. 2900-01	. 3230	537.6
25	4.0000	.65000	68.000	.1300-02	-1100-02	. 1400-02	40-7763 .	.2456-04	.3330-04	. 1800-01	.2070	537.2
25	4.0000	.70000	69.000	. 1300-02	-1100-02	. 1500-02	.3112-04	.2567-04	.3481-04	10-0081.	.2060	537.9
25	4.0000	.75000	70.000	.5000-03	.4000-03	.5000-03	.1061-04	.8755-05	.1187-0	.6000-02	.7000-01	537.3
25	4.0000	.80000	75.000	.2000-03	.2000-03	.3000-03	.5583-05	.4606-05	.6245-05	.3000-02	10-0004.	538.0
25	4.0000	.87500	77.000	.4000-03	.4000-03	.5000-03	1013-04	.8358-05	.1133-04	. 50000-02	10-0064.	537.6
25	4.0000	.90000	78.000	.7000-03	.6000-03	.8000-03	1690-04	1394-04	1890-04	100001.	. 1 300	538.0
25	۴.0000	.92500	79.000	.7000-03	.6000-03	.8000-03	1695-04	· 1399-04	1896-04	10-0001.	. 1250	537.8
22	۴.0000	.95000	90.000	.1700-02	. 1400-02	. 1900-02	.3984-04	.3281-04	.4462-04	.2300-01	.2710	538.4

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DATE 07 OCT	7 001 75		OH-74 (AEDO	OH-74 (AEDC V418-88A)	HEATING	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	IITER FUSEI	AGE PORT	3.05			PAGE 301
				0H-74 (AE	DC V418-BB	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	OM164127E	52VBR19				(RVB004)
ORBITER	ORBITER FUSE, AGE							PARAM	PARAMETRIC DATA			
					BETA	-1,000	MACH	■ 8.000	ELEVON -	0000	RUDDER .	0000.
					S31***	***TEST CONDITIONS***						
RUN	HACH	ALPHA DEG.	8 <u>%</u>	T0 DEG. R	PHI DEG.	YAW DEG.	T DEG. R	PSIA	0 PSIA	y FT/SEC	SLU65	335-81 ₩
23	7.940	34.80	67.8	1254.	-168.7	-1.000	92.10	.2000-01	.8920	3735.	.1840-04	7419-07
RUN	RN/L X10 6	HREF BTU/ R	STN NO									
83	7FT -9264		.0175									
					•	***TEST DATA***	•					
Ş	TRACE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(T0)	H(TAL)	1000	OTMOT	¥
NUMBER				R=0.9	R•1.0	R-TAH	BTU/ R	81U/ R	BTU/ R	BTU/	DEG. R	DEG. R
16	0000	27500	0000	10-0841	10-0221	1660-01	7 COK1	2818-03	7825-17	יייני	א א מ	A 91.8
3 2	0000.1	30000	2.0000	.1230-01	.1020-01	1380-01	.2846-03	.2346-03	.3185-03	. 1580	: . 78!	5 19.8
23	1.0000	. 32500	3.0000	.1120-01	-9-00-65	.1250-01	.2573-03	.2122-03	.2880-03	. 1520	1.561	539.1
63	1.0000	.35000	٠.0000 د	16-01-01	10-0001	1360-01	2801-03	209-03	.3134-03	. 1650	 24	539.2
* 5.5	1.0000	40000	6.0000	.2180-01	10-0081	2440-01	.5021-03	. 4139-03	.5620-03	.2963	3.040	540.0
23	1.0000	.42500	7.0000	.1530-01	1270-01	1720-01	.3537-03	.2916-03	.3959-03	. 2080	2.182	539.9
P3	00003	45000	9.0000	10-090-01	.2030-01	.2760-01	.5675-03	.4678-03	.6352-03	3340	3.417	15.0 15.0 15.0 15.0
. E	0000	.50000	10.000	16-091	.1370-01	. 1860-01	.3828-03	.3156-03	.4284-03	. 2250	2.289	539.6
23	1.0000	.52500	11.000	1980-01	. 1630-01	.2220-01	.4563-03	.3761-03	.5107-03	. 2690	2.725	540.0
23	1.0000	.55000	12.000	10-0091	. 1320-01	10-06/1.	.3686-0.	.3039-03	.4124-03	.2170	۲.185	539.2
23	1.0000	.60000	13.000	10-0221	10-0101	1370-01	. 2822-03	.2327-03	.3158-03	. 1660	1.683	539.1
23	1.0000	.65000	14.000	-0026	.7609-02	10-0501	.2123-03	.1751-03	.2376-03	. 1250	1.272	538.5
	0000.1	. 70000	15.000	50-0005	5000-05	50-0014.	-0558.	. 7053-04	*0-5956*	10-0015.	0564.	537.7
3 %	0000:	0000	17.000	E0-0007	6000-03	. 8000-03	1615-04	1332-04	1805-04	100001	9300-01	537.3
23 63	2.0000	.28500	18.000	1480-01	1220-01	.1650-01	.3400-03	.2803-03	. 38'15-03	.2000	2.35!	540.0
23	2.0000	.33700	19.000	10-06+1	. 1230-01	.1670-01	.3433-03	.2830-03	, 3842-03	. 2020	2.388	539.7
23	2.0000	39000	20.000	.2430-01	.2000-01	10-0212.	.5594-03	.4611-03	.6262-03	. 3290	3.882	540.8
23	2.0000	.42600	21.000	.2290-01	1890-01	.2560-01	.5281-03	.4352-03	.5912-03	.3100	3.643	541.1
23	2.0000	.47800	22.000	.1530-01	. 1260-01	10-0121	. 3523-03	.2904-03	. 3943-03	.2070	2.316	539.7

DATE 07	7 OCT 75		OH-74 (AED)	OH-74 (AEDC V41B-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	HEATING C	ATA ON ORE	IITER FUSEL	AGE PORT !	310€			PAGE 302
				OH-74 (AE	04-74 (AEDC V418-88A) 862C12F10H16H127E52V8R19	V BEZCIZFI	OM 1 64127E	52V8R19				(RVB004)
\$	TRAITE	×/L	1/C NO	H/HREF	H/HREF	H/HREF	н(910)	н(10)	H(TAM)	1000	DTLDT	
NUMBER				R.0.9		R-TAH	81U/ R	BTU/ R	BTU/ R	BTU/ FTPSFF	DEG. R	DEG. R
23	2.0000	.53000	23.000	.1160-01	.9600-02	1300-01	.2674-03	.2204-03	. 2993-03	.1570	1.757	539.9
23	2.0000	.56700	₹.000	.8800-02	. 7200-02	.9800-02	.2025-03	.1670-03	. 2265-03	.1190	1.301	538.8
23	2.6300	.62000	25.000	.6200-02	.5100-02	.6900-02	.1419-03	.1171-03	.1588-03	.8400-01	.9130	538.6
23	2.3000	.67000	26.000	.3100-02	. 2600-02	.3500-02	.7242-04	40-46SG.	.8102-04	10-0024	. 4680	537.9
23	2.0000	. 70500	27.000	. 1400-02	.1100-02	.1500-02	.3168-04	.2614-04	.3543-04	10-0061	.2020	537.0
23	2.0000	.75000	28.000	.7000-03	.6000-03	.8000-03	.1583-04	. 1306-04	₹0-1721.	-0006	. 1030	536.7
63	P.0000	. 80000	29.000	E0-0006.	.7000-03	.1000-02	+0-066T	1848-04	. 2226-04	1800-01	. 1300	536.6
2	D0000	. 82400	30.000	3000-03	-000a.	20-000E	-0+99·	5478-05	.7487-05	#D-0004.	10-0056	17.1
2 6	0000		000 at	10-0093	0-0-0-0	10-00-6	20-1000.	14076-03	. / 306-05	. 564U	, c , c , c , c , c , c , c , c , c , c	
S	0000	0000	33.000	1900-01	1960-01	10-0212	4368-03	2593-03	4890-03	9250	2.875	3. [40
23	3.0000	.27500	34.000	.1480-01	.1220-01	10-0991	.3416-03	.2816-03	. 3823-03	.2010	2.41	540.3
53	3.0000	.30000	35.000	.1320-01	10-0801.	10-0241.	.3031-03	.2499-03	. 3392-03	1790	2.215	539.5
23	3.0000	.32500	36.000	1980-01	.1630-01	.2220-01	.4570-03	.3767-03	.5115-03	.2690	3.160	540.1
23	3.0000	.35000	37.000	.2750-01	.2270-01	.3080-01	.6336-03	. 5222-03	. 7092-03	.3730	4.330	540.7
23	3.0000	.37500	38.000	.2150-01	.1770-01	.2410-01	.4956-03	.4085-03	.5547-03	.2920	3,424	540.4
23	3.0000	00004	39.000	. 1520-01	.1260-01	10-014:	.3513-03	.2037-03	.3932-03	.2970	2.447	539.2
63	3.0000	. 42500	40.000	. 1580-01	10-00£1.	.1770-01	.3644-03	.300~-03	.4078-03	.2150	2.548	539.7
23	3.0000	.45000	41.000	. 1260-01	.1040-01	.1410-01	.2912-03	.2401-03	.3259-03	.1720	1.965	539.3
23	3.0000	47500	4≥.000	.1060-01	.8700- 02	.1190-01	.2441-03	.2013-03	.273!-03	. 1440	1.608	538.8
23	3 .0000	. 50000	43.000	-0006.	. 7500 2	. 1010-01	.2086-03	. 1720-03	.2334-03	. 1230	1.374	538.9
23	3.0000	. 52500	44 · 000	.6+00-02	.5300-02	. 7200-02	. 1479-03	. 1220-03	. 1655-03	.8700-01	1.026	538.4
33	3.0000	. 55000	45.000	. 5500-02	.4500-02	.6100-02	. 1267-03	.1045-03	. 1417-03	.7500-01	.8360	538.2
53	3.0000	.60000	46.000	50-0004.	. 3300-02	50-00**.	-0-6116.	. 7523-04	1050-03	10-0046.	DANC.	03/.0
2	3.0000	.65000	47.000	5800-05	-2300-02	5100-02	*0-56*0°	10269-04	, /RC5-04	10-0085.	0/04.	737.6
ฉีก	2.0000	75000	46.000	50-0006.	B0-0004	50-0001	40-0212	10-6521	- 1223. - 12371-04	1300-01	1370	536.8
ា	3.0000	.80000	50.000	.1000-02	.8000-03	.1100-02	-2191-04	. 1808-04	-2451-04	.1300-01	.1390	537.2
23	3.0000	.85000	51.000	.8000-03	.7000-03	.9000-03	.1846-04	.1523-04	.2065-04	.1100-01	.1350	537.8
23	3.0000	.87501	52.000	. 1200-02	.1000-02	.1400-02	.2815-04	.2323-04	.3150-04	1700-01	.2060	538.0
23	3.0000	30006.	53.000	.8000-03	.7000-03	£0-0006.	.1905-04	.1571-04	.2131-04	.1100-01	.1570	538.2
23	3.0000	. 32500	54.000	-1000-05	.8000-03	.1100-02	.2335-04	.1926-04	.2613-04	.1400-01	.1819	538.4
23	3.0000	000⊱5.	55.000	-1500-02	1200-02	.1700-02	.3470-04	.2862-04	.3883-04	.2000-01	. 2080	538.3
23	۴.0000	.2c.300	71.000	10-0618	.2630-01	.3583-01	.7361-03	.6057-03	.8249-03	.4290	4.893	346.1
23	۴.0000	.22500	72.000	.2330-01	10-0161	.2600-01	5360-03	.4413-03	.6004-03	. 51.50	5.6/3	344.
23	۲.0000	.25000	73.000	10-0061	. 1570-01	.2130-01	.4382-03	.3609-03	.4907-03	.2570	3.012	942.8
23	. 0000 ·	. 27500	74.000	10-0661	10-0491	. 6630-01	.4583-03	50-6//5.	50-1516.	0605.	5.5cg	2.0.0
ED I	4.0000	30000	56.000	.2270-01	1870-01	10-0665	.5243-03	.4360-03	50-0796	0805	4.037	· · · · · ·
53	4.0000	. 32500	57.000	10-0022	10-0181	10-09-2	.5072-03	50-8/14.	50-8/9C.	0000	5.508	r : 5
۳ (4.0000	. 35000	58.000	10-0241	. 1210-01	16-0591.	.3391-03	27.55-03	50-68/5.	. 6200	0000	340.6
53	۲.0000	.37500	59.000	10-0551.	. 10-0-01	10-0861	.<84e-03.	.2343-03	. 3180-03	0/01.	מיים מיים	735.4
63	4.0000	00003	60.00	50-0006.	20-00-7	10-0101.	.eu8e-03	. 1716-03	50-6252.	. 1230	1.516	339.1
23	۴.0000	.42500	900.19	.6500-02	.5400-02	. / 300-02	. 1499-03	. 16.50-05	50-1101.	. 6600-61	 0	335.0

DATE 07	DATE 07 OCT 75		OH-74 (AEDC V418-88A)	V418-88A)	HEATING E	HEATING DATA ON ORBITER FUSELAGE PORT	II TER FUSEI	AGE PORT S	SIDE			PAGE	303
				0H-74 (AE	04-74 (AEDC V418-88A) 862C12F10M16M127E52V8R19	V) 862C12F1	OMIGNIETE	52VBR19				(RVB004)	640
2	TRACE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(T0)	H(TAH)	2000	DTMDT	¥	
NUMBER				R=0.9	R=1.0	R-TAM	BTU/ R	DTU/ R	BTU/ R FT2SEC	BTU/ FT2SEC	DEG. R		~
63	4.000C	.45000	62.000	-006h.	-0000h.	.5500-02	.1125-03	.9275-04	. 1258-03	.6600-01	.8620	538.7	
23	4.0000	.47500	63.000	-000h.	.3300-02	-4500-02	.9327-04	.7693-04	.1043-03	.5500-01	.7030	538.2	
23	4.5.000	.50000	64.000	.3200-02	-2700-02	.3600-02	.7433-04	.6131-04	.8316-04	4400-01	.5450	538.1	
23	4.3000	.52500	65.000	-2000-05	.2400-02	.3200-02	.6642-04	.5479-04	.7"131-04	10-0068.	.4870	538.0	
23	٨٠.0000	.55000	99.000	.2400-02	-2000-05	.e700-02	.5609-04	.4626-04	.6275-04	.3300-01	.3900	538.0	
23	4.0000	.60000	67.000	. 1500-02	. 1200-02	. 1700-02	.3463-04	.2857-04	.3873-04	.2000-01	.2310	537.3	
23	. 0000	.65000	68.000	.6000-03	.5000-03	.6000-03	. 1326-04	1094-04	.1483-04	.8000-02	10-0026	53,.1	
23	4.0000	.70000	69.000	. I+CO-02	.1200-02	. 1600-02	.3320-04	.2739-04	.3714-04	.2000-01	.2190	537.9	
23	4.0000	.75000	70.000	.9000-03	.7000-03	. 1000-02	.1963-04	1619-04	.2196-04	. 1200-01	.1300	537.6	
23	۴.0000	.60000	75.000	.5000-03	.4000-03	.6000-03	.1246-04	.1027-04	.1394-04	.7000-02	10-0068	538.1	
23	۴.0000	.87500	000.77	.8000-03	.6000-03	.9000-03	.1754-04	4G-C441.	1962-04	10-0001.	. 1360	537.7	
23	۴.0000	.90000	78.000	. 1600-02	.1300-02	. 1800-02	.3662-04	.3020-04	40-7604.	.2200-01	.2810	538.1	
23	۴.0000	.92500	79.000	. 2000-02	. 1600-02	.2200-02	.4530-04	.3737-04	.5069-04	.2700-01	.3320	538.2	
23	۴.0000	.95000	80.000	50-0071.	70-0041	. 1900-02	.3984-04	.3281-04	.4462-04	.2300-01	.2710	538.4	

DATE 07	DATE 07 OCT 75		0H-74 (AED)	0H-74 (AEDC V418-BBA1		HEATING DATA ON ORBITER FUSELAGE PORT SIDE	BITER FUSE	LAGE PORT	510€			PASE 304
				OH-74 (AE	DC V+19-B8	04-74 (AEDC Y418-88A) BB2C12F10M16W127E52VBR19	10M16W127E	52VBR19				(RVB004)
ORB11ER	ORBITER FUSE, AGE							PARAM	PARAMETRIC DATA			
					BETA	-1.000	MACH	■ 8.000	ELEVON .	.0000	RUDDER .	0000.
					TES	***TEST CONDITIONS	•••					
RUN	MACH	ALPHA DEG.	PS 18	10 DEG. R	PH1 DE6.	YAW DEG.	1 0€6. R	P SIA	0 P51A	, FT/SEC	RHO SLUGS	HU LB-5EC
ស័	7.940	39.86	190.9	1253.	-174.2	-1.000	92.10	.2100-01	.9060	3733.	. 1871 - 04	.7413-07
S.	RN/L	HREF	STN NC									
NORBER	X10 6	FT2SEC	.0175									
£	.9423	.2323-01	.4169-01									
					•	***TEST DATA***	:					
ş	TRACE	x/r	1/C NO	H/HREF	H/HREF	H/HREF	H(QT0)	H(10)	HITAN	1000	TOMTO	3
NUMBER				R=0.9	R-1.0	R=TAM	BTU/ R	87U/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FT25EC	FT2SEC	FT2SEC	7.SEC	
表。	0000.1	.27500	1.0000	.:330-01	10-0011.	10-0641	.3092-03	.2549-03	.3461-03	. 1820	1.886	5.030
ኢ ፈ	1.0000	30000	3.0000	10-0/11.	50-00-00	13:0-01	.2585-03	.2131-03	. 2893-03	. 1520	1.565	539.4
₹	1.0000	.35000	4.0000	10-0821	1470-01	10-0661	.4134-03	.3408-03	.4626-03	.2¥30	2.525	539.5
ፈ	1.0000	.37500	5.0000	.1820-01	. 15-3-01	10-0402.	.4225-03	.3483-03	.4731-03	.≥480	2.613	4.046
₹	1.0000	40000	6.0000	.1690-01	1390-01	.1890-01	.3926-03	. 3236-03	.4394-03	.2310	2.375	539.8
₹₹	000001	. 45,000	7.0000 B 0000	19-00-61	10-0191	10-081-01-01-01-01-01-01-01-01-01-01-01-01-01	50-0304	4241-03	5760-03	.3020	3.093	540.5
龙	1.0000	.47500	9.0000	. 1630-01	.1350-01	. 1830-01	.3797-03	.3130-03	.4250-03	.2230	2.274	540.0
衣	1.0000	.50001	10.000	.2030-01	.1670-01	.2270-01	.4706-03	.3879-03	.5268-03	.2760	2.805	540.2
龙	1.0000	. 52500	11.000	. 1850-01	1530-01	.2070-01	.4298-03	. 3543-03	.4811-03	.2530	2.563	539.9
£	0000.1	.55000	12.000	1410-01	16-0711.	. 1580-01	. 3283-03	.2706-03	. 3675-03	. 1930	246.1	539.7
无	1.0000	.60000	13.000	1060-01	50-0078.	10-0911.	50-5545.	. 2028-03	27.54-03	1430	7050	354.5 539.5
ŧ,	0000.	00002	000.	50-0010.	50-0005.	50-0061	40-067 FT.	#0-04/E.	-0-8151.	10-0051	0507	537.3
5 ₹	0000	75000	16.000	20-0012	50-0021	2300-05	4813-04	.3970-04	19384-04	.2800-01	.2890	537.4
; ₹	1.0000	.80000	17.000	. 1300-02	. 1000-02	30 3041.	.2922-04	4-11元	. 3269-04	10-0011.	. 1680	537.4
₹	2.0000	.28500	18.000	.1430-01	.1180-01	1600-41	.3315-03	.2732-03	.37.0-03	. 1950	2.289	540.0
₹,	2.0000	.33700	13.000	19-0261.	. 1620-01	.2200-01	.4574-03	.3769-03	.5120-03	.2690	3.171	5+0.5
₹	2.0000	39000	20.000	10-0781.	10-0451.	.2090-01	.4338-03	.3576-03	.4856-03	2550	3.010	540.2
Ł	2.0000	. 42600	21.000	.2260-01	1860-01	.2530-01	. 5254-03	.4329-03	.5882-03	390	3.620	9,40.9
Ł	2.0000	.47800	22.000	. 1610-01	. 1330-01	. 1800-01	.3742-03	. 3084-03	.4188-03	. 2200	2.455	539.9

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ATE 07	OCT 75		OH:-74 (AEDC V418-88A)	V4 (B-88A)	HEATING D	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	ITER FUSEL	AGE PORT S	3015			PASE 305
				0H-74 (AED	K V418-88A	04-74 (AEDC V418-88A) BG2C12F10M16W127E52VBR19	OM16W127ES	2V8R19				(RVB00%)
PUN UMBER	TRANE	איר	1/C NO	H/HREF R=0.9	H/HREF R=1.0	H/HREF R=TAW	H(910) B1U/ R	H(TO) BTU/ R	BTU/ R	0001 etu/	DEG. R	7¥ DEG. ₽
₹	0000	53000	23.000	10-0201.	.B+00-05	.1140-01	.2370-03	1954-03	.2653-03	1330	1.557	539.5
i Ł	2.0000	.56700	000 · *	8000-05	.6600-02	-00006.	. 1869-03	. 1541-03	.2092-03	.1100	1.270	538.8
表	2.5.000	.62000	25.000	SC-0074.	. 3800-02	.5200-02	.1081-03	. 6918-04	.1210-03	.6400-01	.6950	538.4
Ł	2.3000	.67000	26.000	50-0062.	S*00-05	.3300-02	.68 01-04	.5611-04	.7608-04	.4000-01	.4380	536.7
₹	2.0000	.70500	27.000	.3000-02	.2500-02	.3400-02	+0-1769.	.5752-04	.7798-0 4	10-0014	.4450	536.8
₹	€.0000	.75000	2ª.000	.2800-02	.2300-02	.3200-02	.6544-04	.5399-04	.7320-04	.3900-01	.4260	537.0
Ł	2.0000	00008	29.000	. 1500-02	. 1300-02	.1700-02	. 3567-04	.2943-04	.3990-04	.2100-01	.2330	537.0
₹	2.0000	.82400	30.000	.7000-03	.5000-03	.7000-03	.1539-04	.1270-04	.1722-04	-9000-05	.1270	537.2
₹.	3.0000	.20000	31.000	.2930-01	.2410-01	.3280-01	.6802-03	.5600-03	.7620-03	.3970	4.213	543.9
龙	3.0000	.22500	32.000	.2420-01	.2000-01	.2720-01	.5631-03	.4637-03	.6307-03	3290	3.688	543.0
Ł	3.0000	.25000	33.000	.1880-01	.1550-01	.2110-01	.4370-03	.3600-03	.4892-03	.2560	2.872	J. 1.40
龙	3.0000	.27500	34.000	.1400-01	.1160-01	.1570-01	.3258-03	. 2685-03	.3647-03	0161.	2.297	5.0.5
Ł	3.0000	.30000	35.000	10-0051	.1230-01	10-0891	.3478-03	.2867-03	.3892-03	.2040	2.536	539.7
龙	3.000	.32500	36.000	.2450-01	.2020-01	.2740-01	.5692-03	.4691-03	.6372-03	.3340	3.927	4.0%
Ł	3.0000	.35000	37.000	.2300-01	. 1890-01	.2570-01	.5332-03	.4394-03	.5968-03	.3130	3.639	540.5
₹	3.0000	.37500	39.000	10-0681	.1560-01	.2120-01	.4396-03	. 3623-03	.4920-03	.2580	3.035	540.0
₹	3.0000	۰۴0000	39.000	10-0891	10-0621.	1880-01	.3906-03	. 3220-03	.437!-03	.2300	2.715	539.4
₹	3.0000	.42500	40.000	.1500-01	.1230-01	.1670-01	.3476-03	.2856-03	.3890-03	.2040	2.429	539.5
ጺ	3.0000	.45000	41.000	1170-01	50-00/6.	1310-01	.2727-03	.2248-03	.3051-03	. 1600	1.838	539.1
表	3.0000	.47500	42.000	.9700-02	.8000-02	10-0801.	.2250-03	. 1855-03	.2518-03	. 1320	1.480	538.9
₹	3.0000	. 50000	43.000	-0069	5700-55	.7800-02	.1612-03	.1330-03	.1804-03	.9500-01	1.061	538.6
Ł	3.0000	.52500	44.000	.5400-02	20-0055	.6000-02	.1245-03	.1027-03	.1393-03	.7300-01	. 8630	538.3
Ł	3.0000	.55000	45.000	₹0-006h.	-4000h	.5500-02	.1134-03	.9353-04	.1269-03	.6700-01	.7470	538.1
Ł	3.0000	.60000	46.000	.3100-02	.2500-02	.3400-02	.7152-04	.5853- 0 4	*0-100B°	.4200-01	. 4600	537.5
₹	3.0000	.65000	47.000	.1900-02	.1600-02	.2100-C.	.4365-04	.3601-04	*0-288*	.2600-01	.2750	536.9
ፈ	3.0000	. 70000	4B.000	.1600-02	.1300-02	. 1700-02	.3634-04	+0-8662·	·0-+90+·	10-0012	.2380	536.8
Ł	3.0000	.75000	49.000	.2000-02	. 1600-02	.2200-52	.4e18-04	.3810-04	.5166-04	.2700-01	.2980	536.9
Ł	3.0000	.80000	50.000	-1100-05	.9000-03	. 1200-12	.2541-04	.2096-04	*0-2+8Z	. 1500-01	.1610	536.9
₹	3.0000	.85000	51.000	1900-02	. 1600-02	20-0012.	*0-62* 4	. 3053-04	+0-+06+.	10-0002.	. 25.20	337.3
₹	3.0000	69578.	7.000	50-0051	20-0011	20-00-1	7005-04	40-00-00	2363-04	10-00/11	55.46	1.00.1
5	3.0000	92500	000	30-0061	. 1600-02	2500-025.	-0-215h	3725-0	.5055-04	.2700-01	.3500	538.7
ដ	3.0000	. 95000	55.000	-1900-02	.1600-02	50-0012.	.4382-04	.3516-04	4907-04	.2600-01	.2620	538.5
. Ł	4.0000	.20000	71.000	.3060-01	.2520-01	.3430-01	.7107-03	.5847-03	.7965-03	٠4١30	4.718	546.1
ŧ	4.0000	.22500	72.000	.2310-01	1900-01	.2590-01	.5370-03	.4421-03	.6016-03	.3130	3.674	544.1
₹	4.0000	.25000	73.300	.2220-01	10-0281	.2490-01	.5168-03	.4256-03	.5788-03	.3020	3.545	542.9
Ł	4.0000	.27500	74.000	.2130-01	.1760-01	.2390-01	.4953-03	.4079-03	.5546-03	. 2900	3.590	542.5
Ł	0000 ⋅	30000	56,000	.2200-01	.1820-01	.2470-01	.5:20-03	.4218-03	.5733-03	. 3000	3.936	-: -
ፚ	٠, 0000	.32500	57.000	10-0181.	10-06+1.	.2020-01	.4201-03	.3461-03	.4703-03	.2460	3.235	6.040
Ł	۰, 0000	.35000	58.000	10-0551	.1180-01	.1610-01	.3337-03	.2750-03	.3735-03	. 1960	2.575	2.0.0
Ł	C000. 4	.37500	29.000	. 1220-01	10-0101	.1370-01	.2845-03	.2346-03	.3184-03	. 1670	2.199	539.3
ž	0000 +	.40000	60.000	.7500-02	.6200-02	.8400-02	.1749-03	. 1442-03	. 1957-03	. 1030	1.353	538.8
Ł	٠, 3000	.42500	61.000	. 5600-02	.4600-02	.6300-02	. 1303-03	.1075-03	. 1458-03	. 7700-01	906.1	538.8

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DATE 07 OCT 75	OCT 75		04-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT	W-18-88A1	HEATING D	ATA ON ORB	ITER FUSEL	AGE PORT S	3015			PAGE 306
				0H-74 (AED	24-74 (AEDC V418-88A) BB2C12F10M16W127E52Y8R19	n BGC12F1	OMI GWI 27E	278R19				(RVB004)
Z	TRALE	X	1/C NO	H/HREF	H/HREF	H/HREF	H(970)	H: T0)	H(TAH)	Fodo	DTMOT	7
MARKE)	•	R=0.9	R=1.0	R-TAH	BTU/ R	9TU/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	T72SEC	FT2SEC	FT2SEC	/SEC	
t	4.0000	45000	62.000	20-0044.	.3600-02	£0-0064.	.1024-03	40-44AB.	. 46-03	.6000-03	.7840	538.4
₹	4.0000	.47500	63.000	.3300-02	. 2700-02	3700-05	.7584-04	.6255-04	.8486-04	.4500-01	.5710	538.2
đ	4.5.300	. 50000	64.000	-2600-02	-2000-02	-2900-05	.6083-04	.5017-04	.6805-04	.3600-01	.4460	537.8
₹	7 7000	52500	65.000	.2700-02	. 2200-02	.3000-02	.6237-04	3144-04	.6978-0 4	.3700-01	.4570	537.9
i Z	4.0000	55000	96.000	5-00-05	-2000-05	-2600-02	.5500-04	.4537-04	.6153-04	.3200-01	.3820	537.6
đ	, 0000	.60000	67.000	.:000-02	.9000-03	.1500-02	- 2404g.	.1983-04	₩0-0692°	10-0041.	. 1600	537.3
, Z	4.0000	.65000	69.000	.2000-03	. 2000-03	.2000-03	50-7-64.	.4081-05	.5535-05	.3000-02	3400-01	537.6
₹.	0000	.70000	69.000	-00002.	.1700-02	-5300-05	.4672-04	. 3853-04	.5227-04	.2800-01	.3090	538.0
, K	0000	.75000	70.000	.1600-02	. 1300-02	. 1800-02	.3753-04	.3096-04	+0-8614.	. 2200-01	06.4. 7.	537.3
₹	4.0000	.80000	75.000	.7000-03	.6000-03	.8000-03	. 1688-94	1392-04	. 1863-04	. 1000-01	. 1200	538.2
ત	. 0000	95000	76.000	.8000-53	.7000-03	.9000-03	. 1902-04	1568-04	.2129-04	1100-011.	. 1330	538.4
₹	0000	.87500	77.000	. 1500-02	. 1200-02	. 1700-02	3447-04	.2842-04	.3856-04	.2000-01	.2670	538.2
i đ	0000	90006	78.000	-2700-02	.2200-02	3000-05	8304-04	-5198-0 ₄	.7055-04	.3700-01	.4820	538.8
₹.	0000	00566	000.62	.3700-02	.3000-02	-4100-02	.8535-04	.7037-04	.9553-04	.5000-01	.6230	539.4
đ	4.0000	.95000	80.000	.2800-02	.2300-02	.3200-02	.6583-04	.5428-04	.7366-04	10-0064.	.4560	538.9

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				0H-74 (AE	DC V*18-B8	OH-74 (AEDC V418-BBA) BG2C12F10M16W127E52VBR19	10M16W127E	52V8R19				(RVB004)
ORBITER	DABITER FUSE, AGE							PARAM	PARAMETRIC DATA			
					BETA	-1.000	HACH	. 8.000	ELEYON .	. 0000	RUDDER .	.0000
					531***	***TEST CONDITIONS***	Š					
Ş	MACH	AL PHA	8	5	Ξ	MAY		٩	c	>	PH C	2
NUMBER		0	₩	DEG. R	DEG	DEG.		¥ S	Š	F1/5EC	5.C.	/FT2
ĸ	7.940	43.98	6.68	1251.	-175.7	-1.100	91.90	.2000-01	0106.	3730.	. 1854-04	7-10-1
NUMBER MUMBER	RN/L XIO 6	HAEF BTU/ R	STN NO									
ĸ	.9396	FT25EC .2316-01	. 176-01									
					:	***TEST DATA***	:					
2	TRACE	χ⁄Γ	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	Н(ТО)	H(TAH)	1000	DTMDT	Z
NUMBER				R=0.9	R=1.0	R-TAH	BTU/ R	BTU/ R	BTU 23	8 TU/	DEG. R	0EG. R
							FT2SEC	FT2SEC	FT2SEC	12SEC	/SEC	
9:	1.0000	.27500	0000	1330-01	.1100-01	10-26-1	.3079-03	.2537-03	.3447-03	. 1800	575.	540.2
XC X	0000	30000	0000	10-00-1	30-00-05	1300-01	20-0602.	2461-03	3016-03	1750	1,0.1 190.1	539.8
C 19	0000	35000	3.000 4.0000	19-0631	10-0091	.2170-01	4484-03	.3695-03	5019-03	.2630	2.730	539.7
x	1.0000	. 7500	5.0000	1720-01	10-0141	19-0261.	3974-03	. 3274-03	£0-6444.	.2330	2.450	540.3
£	1.0000	00004	6.0000	.1750-01	10-05-11	10-0961	. 4064-03	3349-03	.4550-03	.2380	2.451	539.7
KC 1	1.6300	.42500	7.0000	10-0615.	10-0181.	10-09-6	.5079-03	.4185-03	.5587-03	07.65	3.083 9.559	520.7
K X	0000.	47500	0000.6	10-0991	10-0561.	2160-01	.4462-03	3677-03	.4995-03	.2610	2.864 2.864	540.8
3 12	1.0000	.50063	10.000	.0501.	10-6351	.2157-01	.4444	.3662-03	.4975-03	.2600	2.643	539.9
æ	1.0000	. 52500	11.000	.165, -01	.1360-01	1820 01	. 3833-03	.3159-03	.42 ⁻⁰⁻⁰	.2250	2.281	539.5
ĸ	0000.1	.55000	12.000	1310-01	10-0801.	10-0641.	.3043-03	. 2508-03	.3406-03	. 1780	1.796	539.3
£	1.0000	.60000	13.000	₹0-00+€	.6100-02	20-0618.	1710-03	.1409-03	1913-03	1000+000	1.019	538.6
X	0000.1	.65000	14.000	50-0071.	. 1400-02	. 1900-02	. 3866-04	.3188-04	.4356-64	10-0052	.2310	537.7
X	0000.1	. 70000	15.000	.2200-02	-1800-05	24-00-05	F047-04	.4152-04	.5548-04	.3000-01	0162.	5.77.6
X	1.0000	.75000	16.000	. 2 900-02	-00 -02 .	.3200-02	.6696-04	- 5449-04	7394-04	3900-01	. 5950	77.7
ĸ	0000.1	. 80000	17.000	. 1500-02	1300-02	- 1700-03	.3582-04	.2954-04	+6-800+.	.2130-01	. 2050	557.5
	2.00cc	. 28503	18.000	10-02+1.	.1170-01	1930-01	. 3285-03	. 2707-03	. 35 7 - 03		c. cbc	ה ה ה ה ה
	2.0030	.33700	19.000	.2290-01	0681.	.2561 01	5303-03	.4369-03	.5938-03	.3100	3.653	9.040
	000° د	. 39000	20.000	.2130-01	10-52/11	. 0-055 a.	50-055x	50-4/04.	.05556	ילאסם	71.7	
ų												

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DATE J7	J7 OCT 75		04-74 (AEDC	어-74 (AEDC V18-BBA) HEALING DATA ON ORBITER FUS	HEA! ING C	DATA ON ORE	IITER FUSE	OE PORT SIDE	30E			PAGE 303
				13/: 46-40	04-74 : EDC V418-38A BLZCIZFIOMIGMIZ7E5ZVGR19	1) BEJCIBE	OM16W127ES	2V8R19				(HAB004)
2	184.6	X/I	0N 2/1	H/HREF	H/HREF	H/HREF	H(9TU)	H(T0)	H(TAH)	1000	DIMOT	=
NUMBER		• •	•	R=0.9	R- -0.	R-TAW	BTU/ R	BTU/ R	81U/ R	BTU/	DEG. R	DE0. R
¥	6	2000	000	10-0001	מנייטטכש	10-0611	2314-03	1908-03	. 2590-03	.1360	1.517	539.1
C #	6.000g	55000	000	6200-02	5100-69	20-0069	1428-03	.1177-03	1598-03	.6+00 .01	0116	538.6
3 13	2000	62300	25.000	SU-0075.	£ -0022.	3000-05	.6173-04	.5090-04	.6908-04	.3600-01	.3960	537.9
3 23	2,0090	.57000	26.00	.2900-02	.2400-02	.3200-02	.6574-01	.5504-04	.7467-04	3900-01	.¥290	537.1
X X	2.0000	.70500	27.000	. 3200-02	5r . 5.	. 5000-02	, J-, E+r.	.6133-04	.8321-64	10-00+4.	.4730	537.2
ĸ	6.0000	.75000	29.000	-500-05	.è (, 02	. 300-02	+0-1135.	785-04	·0-06+.9	.3+0r-01	.3760	536.7
£	2.0000	.80000	29.300	.1800-02	50-0C51.	50-001	.4271-04	.3523-04	PO-6774.	.2500-01	.2780	537.0
£	2.0200	.82400	30.000	.7000-63		.8000-03	.1684-04	1389-04	· 1884-04	1002-01	. 1 390	537.1
£	₹.0000	.20030	31.000	. 2800-01	۔ ن	.3140-01	.6494-03	.5345-03	.7276-03	.3780	1.0.5	543.8
£	3.0000	.22500	32.000	.2320-01	16-31	.2600-01	.5385-03	.4434-03	.6032-03	3140	3.517	54.6.8
£	3.0000	.25000	32.000	.1850-01	. 1530-01	10-08u2.	.4302-03	.3544-03	.4817-03	.2520	2.820	54 . P
£	3.0000	.27500	34.000	. 1520-01	.1250-01	10-0-61.	.3512-03	. 289. 13	. 3932-03	.2760	2.469	3.0.7
ኢ	3.0000	.30000	35.000	750-01	.1450-1	10-0	.4073-03	3356- 03	.4560-03	. 2390	2.960 -	0.00
ኢ	3.0633	. 32/500	36.000	.2460-01	.2020-0.	. € 750-01	.5683-03	.4586 JS	.6368-03	. 3330	3.910	340.6
£	3.0000	. 5-000	37.000	.2060-01	10-0691	.2300-01	.4761-03	. 39.	.5330-03	. 2790	3.242	2.0.0
K)	3.0000	.37500	38.000	. 2060-01	. 1 700-01	.2300-01	.4768-03	6	.5338-03	. 2790	3.081	2.070
£	3.0000	00004.	39.000	. 1530-01	. 1260-01	10-0141.	.3548-03	Fr 7462.	. 3971-03	.2080	19.461	238.9
£	3.0000	.42500	40.000	10-0121.	10-0801.	1470-01	.3033-03	.2500.03	.3395-03	08.1	2.115	3.95.0
ይ	3.0000	.4500n	41.000	10-0601.	. 9000 - 0 2	. 1220-01	. 2552-03	.0-6/05.	. 2823-03	0841	1.697	7.28.7
35	3.0000	.47500	،•≥٠000	.8700-02	.7200-02	ູ0-0086.	.2027-03	. 16.71 - 0	÷	.1190	1.550	238.0
S	3.0660	60004	43.000	. 6800- 7ċ	.5600-02	.7600-02	.1574-03	1238-03	کار را.	16-0026	1.033	0.56.0
S	3.0000	. 52500	7 1.000	.4500-02	3700-05	.5000-02	. 1039-03	. 8505 .04		10-0019.	0817.	357.6
S	3.0000	.55000	45.000	. 3990-02	. 3200-02	20-00**	.9092-04	10-8612	.1 - 1.	10-0055.	0.00	337.0
₩	3.0000	60000	46.000	-0002.	. 1600-02	. 2200-02	4578-04	.3776-04	+0-551c.	10-00/2	0.45	537.1
£	3.0000	.65030	47.000	.1100-02	£0-0006.	.1200-02	P6965	10-04	#0-0/82.	10-0061.	2520	, and a
_የ	3.0000	. 70000	48.000	50-00-0	00-00 6 1	50-005	40-1952	40-0544.	+0-0500.	2100.01	2290	536.7
3 %	. 0000	00000	000.64	1700-05	50-0041	20 0051	3865-04	.3188-04	43-4-64	.230 01	2450	536.8
]	3.0000	:0058.	51.00	3000-05	.2500-02	3400-05	P0-1767.	40-8463	.7861-04	10-0014.	.5090	538.1
: X	3.0000	62528	52.000	.1700-02	.1+00-02	. 1900-32	.1366-04	.3188-04	.4327-04	. 2300-01	. 2820	538.2
£	3.0000	0.0006.	53.000	. 1500-02	. 1200-02	.1700-02	3453-04	-2847-04	. 3864-04	2000-01	.2830	5.18.5
£	3.0000	.92500	£.000	. 22 v0 - 02	. 1800-02	. 2500-02	.5112-04	40-4124	.5721-04	3000-01	.3940	538.7
25	3.0000	.95000	55.000	::600-02	. 1300-02	. 1800-02	.3734-04	.3078-04	40-641h.	.2200-01	. 2230	0.550 0.00 0.00
χ,	4.0000	.20000	71.000	.3010-01	J-081c	.3380-01	.6978-03	57.39-03	.7821-03	.4050	4.518	340. I
S.	۸ . 0000	.22500	72.000	10-0042.	.1970-01	. 2690-01	. 5553-03	.4570-03	.6222-03	.3230	3.788	i
£	۴.0000	.25000	73.000	.2250-01	16-0981	.2540-01	.5246-03	.4319-03	.5877-03	.3060	3.585	243.3
£	۴.0000	.27500	000. ۲۲	.2200-01	.1810	.2460-01	.5093-03	.4194-03	.5705-03	. 2970	3.681	ָ
£	۰, 0000	.30000	56.000	. 2410-01	10-0561.	2700-01	. 5589-03	.4603-03	.62',9-03	0.2	4.686	e
£	4.0000	.32500	57.000	10-02/1	1420-01	. 1930-01	. 39803	. 3281-03	. 4459-03	. 2330	8.038	9.0.E
£	4.0000	.35000	58.000	10-0441.	.1180-01	10-0191	. 3325-03	.2740-03	.3723-03	1950	6.53	0.000
አ	٠, 0000	.37500	59.000	10-080:	<i>-</i> 0068.	. 12:0-01	.2508-03	.2067-03	. 2803-03	. 1470	1.936	2.95.c
25	4.0000	00094.	60.000	20-00+9'	.5300-02	.7200-02	1991-03	. 229-03	. 1655-03	10-0088	1.151	338.3
52	0000 ∵	.42500	61.000	.5200-02	. 4300-02	.5800-02	.1205-03	.9936-04	. 1349-03	.7100-017.	9026.	7,56.4

DATE 07	DATE 07 OCT 75		OH-74 (AEDC	04-74 (AEDC V418-88A) HEATING DATA ON ORB:TER FUSELAGE PORT	HEATING D	ATA ON ORE	TER FUSE		S10£			PAGE	309
				0H-74 (AED	0H-74 (AEDC Y41B-88A) BG2C(2F)OM16H)27E52V9R19	J B62C12F1	345!M91M0	52V8R19				(RVB004)	6.50
RUN	TRA E	x/L	1/C NO	H/HREF	H/HREF	4/H 12F	H(310)	H(10)	HCTAW)	0000	DTMOT	¥ 5	~
NOTES N				ñ.		K	FT2SEC	FTESEC	FT2SEC	FT2SEC	/SEC		
r S	1, t.30C	.45000	62.000	3700-02	-3100-02	-4200-0S	8602-04	.7093-04	.9627-04	.5100-01	.6570	538.1	
£	4.000C	47500	63.000	-20-006	-2400-05	.3300-02	.6774-04	.5586-04	,7580-04	10-0004.	.5090	537 7	
£	4,6300	. 50000	64.000	.1800-12	.1500-02	. 2000-02	.4156-04	.3428-04	.4651-04	₹00-03.	.3040	537.6	
ć,	. 3000	.52500	65.000	50-0 5 1.	.1300-02	.1700-02	.3541-04	. 2920-04	.3963-04	.2100-01	.2590	537.7	
ĸ	4.0000	.55000	66.300	.1100-02	£0-000°°	. 1200-02	.2472-04	.2039-04	.2756-04	.1500-01	.1710	537.4	
ĸ	4.0000	.60000	67.000	.4000-03	.4000-03	.5000-03	.1032-04	.8510-05	.1154-04	.6000-02	.6900-01	537.0	
ĸ	4.0000	.65000	68.000	.3600-03	.3000-03	.4000-03	.7783-05	.6419-05	. 8709-05	.5000-02	.5400-01	537.3	
£	4.0000	.70000	000.69	50-0005.	.1500-02	-20-00-2	40-029h.	.3910-04	.5171-04	.2700-01	.3030	538.1	
S,	₹.000C	. 75000	70.000	.1200-02	-1000-05	-1400-05	.2888-04	.2382-04	. 3231-64	.1700-01	.1900	537.3	
ξ,	4.0000	.80000	75.000	.3000-03	.3000-03	.3000-03	.7240-05	.5970-05	.8103-05	-4000h.	10-0015	538.5	
£	£.0000	.85000	76.000	.8000-03	.6000-03	.9000-03	.1804-04	.1487-04	-2019-04	.1100-01	. 1260	538.3	
£	4.0000	.87500	77.090	.3000-02	-2500-05	.3300-02	.6901-04	.5689-04	.7723-04	10-0014.	. 5330	538.5	
£	4.0000	.96500	78.000	S0-0074.	. 3900-02	.5300-02	.1094-03	40-4106°	. 1224-03	10-0049	.8330	539.1	
£	4.0000	.92500	000.64	-6100-02	.5000-02	-6900-02	.1418-03	.1169-03	.1587-03	.8300-01	1.031	539.6	
52	۴.0000	.95000	60.06)	.3900-02	.3200-02	20-00*4	·0-£006.	.7421-04	.1008-03	.5300-01	.6210	538.9	

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DATE 07	DATE 07 OCT 75		OH-74 (AEDC V418-88A)	V418-88A)	HEATING D	DATA ON ORE	IITER FUSEL	HEATING DATA ON ORBITER FUSELAGE PORT SIDE	3010			PAGE 310
				OH-74 (AED	C V418-88A	V) 862C12F1	04-74 (AEDC V418-88A) 8G2C12F10H16H127E5ZV8R19	\$2VBR19				(RVB005)
ORBITER	ORBITER FUSE, AGE							PARAME	PARAMETRIC DATA			
					B£1A	-2.000	MACH	B .000	ELEVON .	0000	RUDOER .	.0000
					1531***	***TEST CONDITIONS***	S					
RUN MCHBER	MACH	ALPHA DEG.	8 <u>8</u>	TO 0E6. R	₹ 88 88.	YAN DEG.	T 0EG. R	e ge	0 PSIA	V FT/SEC	RHO SLUGS	HU LB-SEC
12	7.880	66.61	82.40	1177.		-2.300	97.70	-9000-02	.4050	3616.	. 8908-05	.7062-07
RUN NUMBER 12	FN/L X10 6 /FT .4562	HREF BTU/ R FT2SEC .1536-01	STN NO R* .0175									
					•	**************************************	:					
Ş	TRACE	×	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(T0)	HLTAM)	D0001	OTHOT DEG. R	TH DEG. R
NUMBER				8.0.8) - -	¥ -	FT2SEC	FT2SEC	FTESEC	FT2SEC) SEC	
51	0000.1	.27500	1.0000	.9300-02	50-009.	. 1050-01	.1429-03	1165-03	.1611-03	6700-01	0577.	538.9
<u> </u>	1.0000	32500	3.0000	.6200-02	5100-02	.7000-02	.9529-04	.7774-Ct	.1074-03	.5000-01	.5120	538.0
2 :	0000.1	.35000	4.0000	.7100-02 5800-02	5800-02	. 7500-02	.1038-03	-8888-04 -8-68-04	.1228-03	.5700-01	.5913 .5700	537.8 538.2
ភូ	1.0000	00004.	6.0000	.7600-02	.6200-02	.8600-02	.1170-03	- S544-04	.1319-03	.6100-01	.6280	538.0
<u>5</u>	1.0000	.42500	7.0000	. 8500-02	. 7000-0 2	.1340-01	.1312-03	. 1071-03	. 1479-03 .2060-03	10-0056	. 9750	538.3
ž 5	1.0000	47500	9.0000	1280-01	10-0-01	1440-01	. 1965-03	.1603-03	.2215-03	.1020	1.045	538.1
51 (1.0000	. 10007	10.000	19-09-01	1190-01	. 1650-01	.2243-03	. 1830-03	.3439-03	0/11.	1.614	538.4
ā ū	1.0000	.55000	12.000	2490-01	.2030-01	.2810-01	. 3825-03	.3120-03	.4312-03	. 1990	2.005	538.5
51	1.0000	.60000	13.000	.2450-01	.2000-01	10-0775.	3768-03	.3074-03	.4248-03	0961	₹6 6	538.3
ŭ ŭ	1.0000	. 65000	15.000	. 1950-019.	.7400-02	. 1030-01	. 1402-03	. 1144-03	.1580-03	.7300-01	0717.	537.8
: ≃	1.0000	.75000	16.000	.5700-02	.4600-02	.6400-02	+0-0698 .	. 7091-04	.9795-04	12-0054.	.4610	537.6
51	1.0000	.80000	1.7.000	.3700-02	.3000-02	50-0024.	-0-1295	4628-0+	.6391-04	3000-01	.2880	557.3 538 8
21	2.0000	.28500	18.000	.1070-01	50-0016	10-0121	1647-03	50-22-03	50-6021	10-0062	9330	538.4
ŭ;	2.0000	33700	000.61	20-0056	50-0018	10-01-11	1744-03	1422-03	. 1965-03	10-0016	1.075	537.9
بر ت	2.0000	. 42600	21.000	10-0-61	1580-01	10-0612.	.2981-03	.2431-03	.3361-03	. 1550	1.82	538.8
5	2.0000	47800	22.000	.2720-01	.2220-0!	.3060-01	.4171-03	.3402-03	.4703-03	.2170	2.426	538.6
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DA (E 07	DATE 07 OCT 75		04-74 (AEDC V418-88A)	V418-88A)		HEATIN . DATA ON ORBITER FUSELAGE PORT SIDE	ITER FUSEL	AGE PORT S	301			PA0E 311
				0H-74 (AE	C V418-89	OH-74 (AEDC V418-88A) BG2C12F10M16W127E52V8R19	0M16W127E5	2V8R19				(RVB005)
R S	TRACE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	н(910)	H(10)	H(TAW)	1000	DTMDT	ī
NUMBER				R=0.9	R=1.0	R-TAH	87U/ R	BTU/ R	BTU/ R	810/	DEG. R	DEG. R
		,	,		;		FTZSEC	FTZSEC	FTESEC	FTESEC) SEC	
<u>ن</u> ز	2.0000	53000	23.000	10-0562	10-01-2	.3330-01	20-05-03	3594-03	.5108-03	.2360	2.63 1	. 55.5 7.0 F
,	0000.4	00/06	25.000	10-0211	9500-02	10-0621	1792-03	1462-03	50-0606	9300-01	1.018	538.0
i 5	2.3000	.67000	26.000	-008h	3900-05	5400-05	.7339-04	.5989-04	.9272-04	.3800-01	180	537.4
2	2.0900	70500	27.000	.4100-02	3400-05	-00-054	8350-04	.5182-04	.7156-04	.3300-01	.3580	536.8
ū	2.0000	.75000	28.000	-4800-05	. 3900-02	.5400-D2	.7314-04	-5970-04	.8242-04	.3800-01	4210	536.6
12	2.0000	.80000	29.000	.3600-02	. 2900-02	50-C004.	.5456-04	40-4544.	40-6419.	.2900-01	.3160	536.6
51	2.0000	.82400	30.000	.7000-03	.6000-03	.8000-03	.1133-04	.9248-05	.1277-04	.6000-02	.8300-01	536.5
ភ	3.0000	.20000	31.000	.2350-01	10-0161.	.2650-01	.3605-03	.2938-03	.4066-03	. 1870	1.967	540.6
7	3.0000	.22500	32.000	10-0581	10-0451.	.2140-01	.2909-03	.2372-03	.328!-03	.1510	1.695	5.40.0
2	3.0000	.25000	33.000	.1500-01	. 1220-01	10-0691	.2303-03	.1878-03	,2597-03	. 1200	. 345	539.1
51	3.0000	.27500	34.000	1170-01	. 9500-02	. 1320-01	. : 795-03	.1464-03	.2024-03	.9300-01	1.123	538.5
51	3.0000	.30000	35.000	1030-01	.8400-02	1160-01	.1583-03	. 1291-03	.1785-03	.8200-01	1.023	538.5
2	3.0000	. 32500	36.000	.1080-01	. 8900-02	. 1220-01	.1663-03	. 1357-03	.1874-03	.8700-01	1.022	537.0
2	3.0000	.35000	37.000	1140-01	.9300-02	. 1290-01	.1757-03	.1434-03	. 1981-03	.9200-01	1.066	538.0
2	5.0000	.37500	38.000	10-084: "	.1210-01	10-0291	.2273-03	•	.2562-03	1180	1.393	538.1
51	3.0000	00004.	39.000	10-0602	10-0161.	.2360-01	. 3213-03	.262 03	.3652-03	.1679	1.979	538.3
2	3.0000	.42500	¥0.003	10-029-01	.2300-01	.3180-01	.4335-03	. 3535-03	.4887-03	. 2260	2.681	538.7
2	3.0000	.45000		10-048Z	.2310-01	.3200-01	.4357-03	.3553-03	.4911-03	.2270	2.600	538.5
12	3.0000	.47500	. ' '000 Zh	.2690-01	10-0612	.3030-01	.4131-03	.3369-03	.4657-03	.2150	2.403	538.5
~	3.0000	20000	43.0.54	10-0612.	10-0841.	.2460-01	.3357-03	.2738-03	. 3785-03	. 1750	- 952	538.7
-21	3.0000	.52500	44.000	.1420-01	.1160-01	10-0091	.2182-03	. 1780-03	.2459-03	1340	1.339	537.6
51	3.0000	. 55000	45.000	10-0-11.	.9300-02	. 1280-01	.1743-03	. 1423-03	. 1965-03	10-0016.	1.017	537.5
51	3.0000	.60000	46.000	.7700-02	.6300-02	.8700-02	.1188-03	.9693-04	.1339-03	.6200-01	.6760	537.2
2	3.0000	.65000	47.000	.5100-02	.4200-02	.5900-02	.7847-04	+0-+0+9	. 884t - 04	10-0015	.4360	536.9
12	3.0000	. 70000	₹8.000	.420r-02	3406-05	50-054.	.6399-04	.5223-04	.7211-04	. 3300-01	3700	536.7
2	3.0000	.75000	49.000	.3600-02	. 2900-02	-4100-02 	40-1455.	.4523-04	- 6244-04	2900-01	.3150	236.5
2	3.0000	.80000	50.000	. 3200-02	.2600-32	.3600-02	+953-04	40-E404	.5582-04	. 2600-11	.2780	7.925.7
2	3.0000	.85000	.000 15	.3000-03	. 3000-03	£0-00C4.	.4885-05	. 3986-05	.5506-05	. 3000-02	10-0025	257.4
5	3.0000	.87501	52.000	20-00-1	20-0011.	1500-02	40-8212.	-1737-04	+0-6652.	10-0011	1380	23/.5
₫ :	3.0000	90000	53.000	50-001.	20-0041	50-0061.	*0-1192.	- 20 - 82 - 04 - 01 - 02 - 04	#0-0462.	10-00-1	0061.	8,750 9,778
ŭ 7	3.0000	05000	75.000 000	- 1000	20-0001	1406-02	1897-04	1548-04	P0-0512	10-0001	1010	537.5
	0000	סטטור.	71,000	. 200-01	.2280-01	.3163-01	14298-03	.3500-03	.4850-03	.2220	2.539	542.6
. 5	4.0030	.27500	72.000	.2260-01	1840-01	.2550-01	.3466-03	.2825-03	.3910-03	. 1800	2.110	540.B
51	4.0000	.25000	73.000	1680-01	1370-01	10-0061.	.2584-03	.2106-03	.2914-03	. 1340	1.576	540.1
12	4.0000	.27500	24.000	1490-01	10- 21:	.1680-01	.2291-03	.1868-03	. 2583-03	0611.	1.477	539.5
12	4.0000	30000	26 .000	1370-01	.1120-01	.1550-01	.2108-03	1719-03	.2377-03	.1100	[, , , , ,	539.0
5	4.0000	. 32500	57.000	1740-01	14-05-11	.1960-01	.2673-03	.2180-03	3014 03	. 1 390	1.828	538.8
15	4.0000	.35000	58.000	.2490-01	.2030-01	.2800-01	. 3820-03	.3115-03	.4307-03	. 1990	2.612	538.9
12	۰, 0000	.37500	59.000	.2560-01	.2090-01	.2890-01	. 3935-03	.3209-03	.4437-03	. 2050	2.691	538.8
15	۴.0000	00004	60.000	.2010-01	10-0-91	.2270-01	.3091-03	.2521-03	3485-03	. 1610	2.116	538.4
51	٠.0000	.42500	61.000	. 1600-01	.1300-01	. 1800-01	.2457-03	.2004-03	.2770-03	. 1280	1.683	538.2

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REPRODUCIBILITY OF THE ORIGINAL PAGE IS L'OOR

ار ج	DAIL U/ UC! /5			ON- /4 (ALOC V418-BBA)	2	RAILING DATA ON CHOISEN FOREKOE FONE	מונע גסארום		\$			315
				OH-74 (AED	X V418-88/	N BBSC12F	24-74 (AEDC V418-88A) 862C12F10M16H127E52V9R19	52V8R19				(AV8005)
7	TRATE	×	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HCTAWI	1000	DTHOT	3
AUMBER				R=0.9	R=1.0	R-TAW	87U/ R	BTU/ R	8TU/ R	9TU/	DEG. R	DEG. R
							FT2SEC	FTLSEC	FT2SEC	FTRSEC	/SEC	
a	۴.0000	. 45000	62.000	10-0601.	-8900-05	. 1230-01	. 1674-03	. 1366-03	. 1887-03	10-0008	1.134	537.9
٥,	₩.0000	.47500	63.000	-8600-02	.7000-02	.9700-02	.1318-03	.1075-03	. 1485-r3	10-0069	.8770	538.0
	4, 5,000	.50000	64.300	.6500-02	.5300-02	-00-05.	. 1006-03	.8205-04	.1133-03	. 5200-01	.6510	537.6
٥.	٠, 2000	. 52500	65.000	.5000-02	S0-0014.	.5600-02	.7688-04	.6273-04	.8666-04	10-0004	0964	537.6
٥.	۴.0000	. 55000	66.000	. +2 00-02	.3500-02	-4800-05	.6520-04	.5320-04	.7348-04	3400-01	4000	537.4
٥.	4.0000	.60000	67.000	.3:00-02	. 2500-02	.3500-02	.4783-04	.3904-04	-5391-04	.2500-01	.2820	536.9
٥.	4.0000	.65000	69.000	.2000-02	.1700-02	.2300-02	.3124-04	.2550-04	.3521-04	. 500-01	. 1920	537.0
۵.	۴.0000	.75000	70.000	.1100-02	.9000-03	. 1300-02	1737-04	1418-04	1957-04	.9000-02	. 1020	536.7
•	۴.0000	. 90000	75.000	.:600-02	.1300-02	. 1800-02	.2398-04	-957-04	.2702-04	. 1300-01	.1510	537.1
5	4.0000	.85000	76.000	.2300-02	. 1900-02	. 2600-02	.3603-04	-2945a	40-8¢04.	10-0061.	.2250	535.0
	. 0000	.67500	77.000	.3000-03	.3000-03	.4000-03	.5370-05	.4383-05	.6051-05	3000-05	3700-01	536.5
۸.	4.0000	00006.	78.000	£0-0004.	.3000-03	.5000-03	.6405-05	.5227-05	.7217-05	.3000-02	10-00+4.	536.8
۵.	۴.0000	.92500	79.000	.6000-03	.5000-03	.6000-03	.8755-05	.7146-05	.9865-05	. 5000-02	.5700-01	536.5
_	0000	00050	80 000	1500-02	1300-02	CO-0001	20.00.04	20.05	של-פררכ			K02 2

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PAGE 313 (RVB005) HU LB-SEC /FT2 .7062-07 RHO SLUGS /FT3 .8880-05 V FT/SEC 3616. PARAMETRIC DATA o <u>₹</u> OH-74 (AEDC "418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE .9000-02 ■ 8.000 **₽**SI**A** OH-74 (AEDC V418-88A) BG2C12F10M16W127E52V8R19 T 0€G. R HACH B7.70 ***TES1 "ONDITIONS"** - -2.000 YAH DEG. -1.900 158.3 PH: œ 10 DEG. 1177. R. .0175 .6011-01 STN NO & <u>₹</u> 82.20 HREF BTU/ R FT2SEC 1533-01 ALPHA DEG. 8.3 ORBITER FUSE, AGE RN/L X10 6 HACH DATE 67 OCT 75 7.880 .4547 RUN NUMBER NUMBER <u>m</u> 2

RUN NUMBER

1.465 1.543 1.543 2.029 2.039 1.494 7.7510 3.370 1.766 1.176 1.176 1.176 1.176 1.176 1.176 1.176 1.176 .5440 .6820 .6400 .8970 .1130 .1450 .1510 .2000 .2000 .2010 .14800-01 .1700-01 .1700-01 .1700-01 .5300-01 .6600-01 .6100-01 .7300-01 FT2SEC .3735-04 .3029-04 .21 3-03 .1042-03 .4322-03 .1417-03 3132-03 . 1884-03 .2438-03 .3272-03 . 3205-13 . 1883-03 . 3281-03 .1598-03 HITAN) BTU/ R FT2SEC 1772-03 1574-03 .1143-03 .8271-04 .1326-03 .9506-04 .3128-03 .3144-03 .5371-04 . 1363-03 1156-03 .7542-04 .1765-03 .2267-03 -0-4612 1529-03 1363-03 2374-03 HITO) BTU/ R FT2SEC 1281-03 .1139-03 .1571-03 .1396-03 .1014-03 .1417-03 .1671-03 .1165-03 .2163-03 .3834-03 .3855-03 .2843-03 .3314-04 .3703-03 40-2426 **5688-04** . 1874-03 2910-03 H(910) 87U/ R FT2SEC .1160-01 .1030-01 .7500-02 .9200-02 .8600-02 .1230-01 .1590-01 .20%0-01 .2830-01 .2090-01 .1040-01 .6803-02 .4800-02 .2400-02 .2000-02 .2720-01 2820-01 1230-01 2140-01 H/HREF R=TAM . 1510-01 . 7500-02 . 4900-02 . 3500-02 . 1800-02 . 1.000-02 .8400-02 .7400-02 .5400-02 .6700-02 .8900-02 .150-01 .1550-01 .1970-01 .1950-01 2050-01 8900-05 2040-01 H/HREF R-1.0 .1020-01 .9100-02 .6300-02 .8200-02 .2500-01 .1950-01 .9200-02 .6000-02 .4300-02 .1800-02 .1520-01 .1090-01 .1900-01 10-0601. 2510-01 1810-01 2390-0! H/HREF R=0.9 1/C NO 1,0000 3,0000 3,0000 5,0000 5,0000 1, 27500 30000 32500 37500 42500 42500 55000 55000 6500 65000 6 ž TRACE

5338.0 537.9 5338.0 538.2 538.2 538.4 5338.4 537.7

537.9

535.6 536.6 538.8 538.2 537.7 538.0 538.3

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18. 18.	DATE 0	DATE 07 OCT 75		OH-74 (AED)	OH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	HEATING	DATA ON OR	SITER FUSE(LAGE PORT	4			PAUE 514
Table Tabl					0H-74 (AE	DC W 18-88	A) B62C12F	10H16H127E	52VBR19				(RVB0C5)
2.000 5300 23.00 1280-01 175-01 175-02 FF1.04 FF2.05 FF2.05 <th>Z</th> <th>TRA'E</th> <th>X/X</th> <th>1/C NO</th> <th>H/HREF</th> <th>H/HREF</th> <th>H/HREF</th> <th>H(910)</th> <th>Н(10)</th> <th>HCTAW</th> <th>1000</th> <th>DTMOT</th> <th># #</th>	Z	TRA'E	X/X	1/C NO	H/HREF	H/HREF	H/HREF	H(910)	Н(10)	HCTAW	1000	DTMOT	# #
2,0000 25700 23,000 1789-01 1789-02 1789-02 1789-03 17	NUMBER		į	<u>!</u>	R=0.9	R-1.0	R-TAH	BTU/ R	87U/ R	BTU/ R	BTU/	0EG. R	DEG. R
2. 0000 55700 53.000 1,2800 1,1800-01<								FTZSEC	FT2SEC	FT2SEC	FT2SEC	/SEC	
2. 0000 557.00 567.00 569.00	13	2.0000	.53000	23.000	. 1280-01	.1050-01	10-0441.	. 1966-03	. 1504-03	.2216-03	. 1030	1.147	537.4
2. 7,200 CREATION 25,000 5800-42 4800-40 5800-40 5800-60 <	<u>m</u>	2.0000	.56700	24.000	-8100-05	.6500-02	.9200-02	. 1247-03	.1018-03	.1406-03	10-0059	.7100	537.4
2. J000 159700 25. J000 159700 25. J000 159700 25. J000 159700 25. J000 159700 25. J000 159700 25. J000 159700 25. J000 159700 25. J000 159700 25. J000 159700 25. J000 159700 25. J000 159700 25. J000 159700 25. J000 159700 25. J000 159700 25. J000	13	2.5.000	.62000	25.000	.5800-02	50-00L4.	.6500-)2	. 8825-04	.7202-04	.9947-04	.4600-01	.5020	537.3
2 0000	13	2.J000	.67000	26.000	. 5900-02	-4800-0S	.6700-02	¥0-0016.	.7427-04	. 1026-03	10-0084	.5190	536.8
2, 0000 9,000 1,000 <	13	2.0000	.70500	27.000	.3700-02	3000-05	.4200-02	.5720-04	+0-699h.	.6446-04	3000-01	. 3230	536.4
2.0000	13	2.0000	.75000	28.000	.2600-02	50-0012.	.3000-02	.4029-04	.3289-04	40-6ESJ.	.2100-01	. 2320	535.9
2,0000 28-500 3,0000-03 2000-03 3000-03 <t< td=""><td>13</td><td>2,0000</td><td>.80000</td><td>29.000</td><td>. 1800-02</td><td>.1500-02</td><td>-5000-05</td><td>.2762-04</td><td>.2255-04</td><td>.3112-04</td><td>1400-01</td><td>. 1600</td><td>536.0</td></t<>	13	2,0000	.80000	29.000	. 1800-02	.1500-02	-5000-05	.2762-04	.2255-04	.3112-04	1400-01	. 1600	536.0
3.0000 2.9000 31.000 2.9000 31.000 2.9000 31.000 2.9000 31.000 2.9000 31.000 2.9000 31.000 31.000 31.000 32.000 31.000 32.000 31.000 32.000<	<u> </u>	2.6000	82400	30.000	.3000-03	.2000-03	.3000-03	.3989-05	. 3256-05	CO-+644.	.2000-0S	.2900-01	536.2
3.0000 2.2500 32.000 1.650-01 1.650-01 1.860-01 2.820-03 2.800-03 2.800-03 2.8000 3.1000 2.800-03 3.1000 2.800-03 3.1000 2.8000 3.1000 2.8000 3.1000 1.800-03 3.1000 3.8000	13	3.0000	.20000	31.000	.2410-01	.1960-01	.2720-01	.3693-03	.3010-03	.4165-03	. 1920	2.035	5±0.6
3.0000 2.5500 33.000 1.650-01 1.850-01 1	13	3.0000	. 22500	32.000	.2020-01	.1650-01	.2280-01	.3100-03	. 2527-03	.3496-03	.1610	1.806	540.1
3.0000 3.0000 35.000 1120-01 1190-01 11995-03 11933-03 1910-03 8800-01 3.0000 35.0000 35.000 110-01 30000-01 11995-03 11933-03 1910-03 8800-01 3.0000 35.000 31.000 110-01 30000-01 3.0000 35.000 37.000 39.000 31.000 39.0	13	3,0000	.25000	33.000	.1650-01	. 1350-01	. 1860-01	. 2532-03	. 2065-03	. 2855-03	. 1320	1.479	539.0
3.0000 35000 35.000 1830-01 1110-01 9000-02 1830-01 18	13	3.0000	.27500	34.000	. 1270-01	.1040-01	10-0441.	.1955-03	.1595-03	. 2204-03	.1020	1.224	538.2
3.0000 37500 38.000 1630-01 1320-01 1328-03 1574-03 12174-03 12110 13.0000 3.0000 39.000 1630-01 1320-01 1250-01 1250-03 13090-33 4270-03 1310 13.0000 39.000 39.000 22470-01 2202-01 1280-01 1328-03 1380-3 1310 13.0000 39.000 40.000 39.000 1210-01 1720-01 1328-01 1318-03 1298-03 1680-03 1180 13.0000 40000 39.000 1210-01 1720-01 1328-01 13183-03 1298-03 1680-03 1180 13.0000 40000 442.000 12500-01 1250-01 13183-03 1298-03 1288-03 1680 13.0000 3.0000 45.000 12500-01 1250-01 13183-03 1299-03 1390-01 1320-01 1320-01 13183-03 1299-03 1390-01 1320-01 1320-01 1320-01 1320-01 13183-03 1299-04 1280-03 1390-01 1320-01	2	3.0000	30000	35.000	1110-01	-0000 .	1250-01	. 1695-03	.1383-03	. 1910-03	10-0088.	1.098	537.7
3.0000 35000 37.000 1.630-01 1.330-01 1.940-01 2-504-03 2093-03 1.810 1.910 1.910 3.0000 3.0000 3.9000 39.000 2.910-01 1.220-01 1.3780-01 3.030-03 3.9580-03 1.980 1.0000 3.0000 39.000 2.110-01 1.720-01 2.380-01 3.8380-03 3.9580-03 1.980 1.0000 3.0000 40.000 39.000 2.110-01 1.720-01 1.3780-01 3.8380-03 3.9588-03 1.980 1.0000 3.0000 40.000 3.0000 1.2500-02 7.000-01 1.910-03 1.980-03 1.980 1.000 1.0000 40.000 7.200-02 7.900-02 7.900-01 1.910-03 1.980-03 1.980 1.000 1.0000 47.000 7.200-02 7.900-02 7.900-02 7.900-02 7.900-02 7.900-02 7.900-02 7.900-02 7.900-02 7.900-02 7.900-02 7.900-02 7.900-02 7.900-02 7.900-02 7.900-02 7.900-02 7.900-03 7.900-03 7.900-03 7.9000 47.000 7.200-02 7.900-03 7.9		3.000	32500	36,000	.1260-0.	.1030-01	. 1420-01	. 1929-03	.1574-03	.2174-03	010:	1.184	537.5
3.0000 40000 39.000 1.1720-01 1.2380-01 1.3584-03 1.8580-03 1.8590 1.3584-03 1.8590 1.3584-03 1.8590 1.3584-03 1.8590 1.3584-03 1.8590 1.3584-03 1.8590 1.3584-03 1.8590 1.3584-03 1.8590 1.3584-03 1.8590 1.3584-03 1.8590 1.3584-03 1.8590 1.3584-03 1.8590 1.3584-03 1.8590 1.3584-03 1.8590 1.3584-03 1.8590 1.3584-03 1.8590 1.3584-03 1.8590 1.3590	-		35000	37,000	1630-01	1330-01	1840-01	.2504-03	.2043-03	.2822-03	.1310	1.520	537.7
3.0000 40000 39.000 12110-01 1720-01 2380-01 3284-03 2658-03 38645-03 1690 1 3.0000 4.0000 20000 1 2080-01 2560-03 20880-03 2866-03 1900 1 2.0000 4.0000 1 45.000 41.000 1.0000 1.0000-02 1.0000-02 1.0000-03 1.0000	. ~	3,0000	37500	38.000	2470-01	.2020-01	.2780-01	.3788-03	.3090-33	.4270-03	.1980	2.323	537.8
3.0000	. ~	3,0000	00004	39.000	.2110-01	1720-01	.2380-01	.3234-03	.2638-03	.3645-03	.1690	1.99⁴	537.9
3.0000 .45000 41.000 .1670-01 .1860-01 .2560-03 .2089-03 .2886-03 .1860-01 .1810-01 .1917-03 .1864-03 .2866-03 .1860-01 .1917-03 .1864-03 .2866-03 .1862-03 .1000 3.0000 .47500 .42.000 .9660-02 .1900-01 .1917-03 .1954-03 .1862-03 .1000-01 3.0000 .52600 .45.000 .9660-02 .5900-02 .1000-03 .9196-04 .1155-03 .5300-01 3.0000 .52600 .45.000 .6600-02 .5900-02 .7000-02 .9100-02 .7000-02	. M	3.0000	42500	40.003	.2080-01	1690-01	.2340-01	.3183-03	.2597-03	.3588-03	.1660	1.974	537.7
3.0000 .47500 42.000 .1250-01 .1410-01 .1917-03 .1564-03 .2160-03 .1000-00 3.0000 .56000 43.000 .9600-02 .1960-02 .1960-02 .1165-03 .1196-04 .1185-03 .1196-04 .1185-03 .1196-04 .1185-03 .1196-04 .1185-03 .1196-04 .1185-03 .1196-04 .1185-03 .1196-04 .1185-03 .1196-04 .1185-03 .1196-04 .1185-03 .1196-04 .1185-03 .1196-04	E1	3.0000	45000	41.000	1670-01	.1350-01	10-0881	.2560-03	. 2089-03	.2886-03	. 1340	1.531	537.5
3.0000 55500 43.000 7200-02 1800-02 1112-03 1196-03 11952-03 7770-01 1	<u>.</u>	3.0000	.47500	42.000	10-0521.	.1020-01	.1410-01	. 1917-03	.1564-03	.2160-63	.1000+00	1.118	537.5
3.0000 55500 44.000 7200-02 5800-02 1112-03 9073-04 1253-03 5800-01 3.0000 55000 45.000 6600-02 5400-02 1100-03 9219-04 1135-03 5500-01 3.0000 65000 47.000 2500-02 5300-02 7731-04 5937-04 4185-03 5300-01 3.0000 65000 47.000 2500-02 2000-02 2300-02 2314-04 2509-04 1800-01 3.0000 70000 48.000 2000-02 1700-02 2300-02 2314-04 1800-01 1800-01 3.0000 80000 2000-02 1700-02 2300-02 1700-02 1800-02 1700-02 1800-02 1700-02 1800-02 1700-02 1800-02 1700-02 1800-02 1700-02 1800-02 1700-02 1800-02 1700-02 1800-02 1700-02 1800-02 1700-02 1800-02 1700-02 1800-02 1700-02 1800-02 1800-02 1800-02 1800-02 1800-02 1	13	3.0000	. 50000	43.000	.9600-02	. 7800-02	10-0801	. 1466-03	.1196-03	.1652-03	.7750-01	.8550	537.4
3.0000	13	3.0000	.52500	44.000	.7200-02	. 5900-02	.8200-02	.1112-03	.9073-04	. 1253-03	.5800-01	.6840	536.8
3.0000 66000 46.000 .4700-02 .5300-02 .7273-04 .5937-04 .8996-04 .3809-01 3.0000 .65000 47.000 .2500-02 .2800-02 .3700-02 .3000-01 .3003-04 .3073-04 .4942-04 .3809-01 3.0000 .75000 .47.000 .2900-02 .2800-02 .2300-02 .3000-01 .3621-04 .3073-04 .4942-04 .3509-04 .5000-01 3.0000 .75000 .9000-02 .2400-02 .3000-02 .2400-02 .3000-03 <td>13</td> <td>3.0000</td> <td>.55000</td> <td>45.000</td> <td>.6600-02</td> <td>5400-05</td> <td>7400-02</td> <td>.1007-03</td> <td>·9219-0_*</td> <td>.1135-03</td> <td>.5300-01</td> <td>.5880</td> <td>536.7</td>	13	3.0000	.55000	45.000	.6600-02	5400-05	7400-02	.1007-03	·9219-0 _*	.1135-03	.5300-01	.5880	536.7
3.0000 .65000 47.000 .2500-02 .2800-02 .3765-04 .3775-04 .484-00 .2000-01 .2000-01 .2000-01 .2000-01 .2000-01 .2000-01 .2000-01 .2000-01 .2000-01 .2000-01 .2000-02 .3310-04 .2510-04 .3569-04 .1600-01 .2000-01 .2000-02 .3300-02 .3114-04 .2542-04 .3159-04 .1600-01 .2000-01 .2000-02 .3300-02 .4435-04 .3159-04 .1600-01 .2000-01 .2000-02 .3300-02 .4435-04 .1600-01 .2000-02 .3000-03 .1000-02 .3	<u>~</u>	3.0300	.60000	46.000	50-00L4.	. 3900-02	.5300-02	.7273-04	.5937-04	+0-9618 .	.3800-01	.4150	536.4
3.0000 .48.000 .2000-02 .1700-02 .2310-04 .25942-04 .3759-04 .1600-01 3.0000 .75000 .49.000 .1500-02 .2100-02 .2818-04 .2311-04 .3175-04 .1500-01 3.0000 .80000 .50.000 .2900-02 .2400-02 .1100-02 .1435-04 .1837-04 .4996-04 .2300-01 3.0000 .80000 .51.000 .3000-03 .1100-02 .1435-04 .1837-04 .4384-05 .2300-01 3.0000 .90000 .51.000 .3000-03 .4000-03 .5890-05 .4384-05 .8986-06 .4384-05 .8986-05 .4384-05 .8986-05 .4384-05 .8980-06 .5000-03 .4000-03 .5000-03 .4000-03 .5895-06 .4384-05 .8986-05 .8986-05 .4384-05 .8986-05 .8986-06 .4000-02 .5000-03 .5000-03 .5000-03 .5000-03 .5000-03 .5000-03 .5000-03 .5000-03 .5000-03 .5000-03 .50000-03 .5000-03 .5000-03 .5000-03	13	3.0000	.65000	47.000	. 2500-02	.2000-02	50-0082.	.3765-04	.3073-04	,4545-04	.2000-01	.2100	536.1
3.0000 .99000 .590000 .90000 .90000 .9000000 .9000000 .9000000 .9000000 .9000000 .9000000 .90000000 .90000000 .90000000000000 .90000000 .9000000000000000000000000000000000000	13	3.0000	.70000	48.000	.2000-02	. 1700-02	. 2300-02	.3114-04	.2542-04	.3509-04	. 1600-01	. 1810	535.8
3.0000 .60000 50.000 .2900-02 .3300-02 .1100-02 .1435-04 .1637-04 .4996-04 .2300-01 3.0000 .95000 .91000-03 .8000-03 .1100-02 .1452-04 .1185-04 .1637-04 .8000-02 3.0000 .97000 .52.000 .3000-03 .2000-03 .3000-03 .3000-03 .3000-02 .3000-03 .3000-03 .3000-02 .3000-03 <	13	3.0000	.75000	49.000	. 1800-02	.1500-02	2100-05	.2818-04	.2301-04	.3175-04	.1500-01	.1610	535.7
3.0000 .95000 51.000 .9000-03 .9000-03 .1000-02 .1057-09 .1185-09 .	13	3.0000	.80000	50.000	.2900-02	50-00%.	.3300-02	44.35-04	. 3621-04	+0-9664	.2300-01	.2500	535.7
3.0000	13	3.0000	.85000	51.000	.9000-03	.8000-03	.1100-02	.1452-04	.1185-04	1637-04	.8000-02	.9400-01	537.0
3.0000 90000 53.000 5000-03 4000-03 .7629-05 .6255-05 .6599-05 .4000-02 .5000-03 .7629-05 .6599-05 .4000-02 .5000 .5000-03 .4000-03 .6000-03 .8362-05 .6625-05 .6623-05 .4000-02 .5000 .5000-03 .4000-03 .6000-03 .8362-05 .6623-05 .4000-02 .5000 .5000-03 .2000 .5000-01 .2500-01 .3473-01 .2500-01 .3473-01 .2513-03 .3470-01 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500 .2500-01 .2500-01 .2500-01 .2500-01 .2500-01 .2500-01 .2500-01 .2500-01 .2500-01 .2500-01 .2500 .25	13	3.0000	69578.	52.000	.3000-03	.2000-03	.3000-03	.3890-05	.3175-05	.4384-05	.2000- 0 2	.2500-01	537.0
3,0000 9,500 54,000 5,000-03 ,000-03 ,000-03 ,9362-05 ,6823-05 ,9424-05 ,4000-02 3,0000 9,000 55,000 2,2000-03 ,2000-03 ,2000-03 ,2000-03 ,2000-03 ,2000-03 ,2000-03 ,2000-03 ,2000-03 ,2000-03 ,2000-03 ,2000-03 ,2000-03 ,2000-03 ,2000-03 ,2000-03 ,2000-03 ,2000-03 ,2000	13	3.0000	00006.	53.000	.5000-03	£0-000h.	.6000-03	. 7629-05	.6225-05	. 8598-05	-4000h.	.5600-01	537.2
3.0000 95.000 55.000 2.000-03 2.000-03 2.000-03 2.005-05 5.331-05 5.319-05 1.000-02 4.0000 2.0000 0.000 33070-01 2.000 1.000 2.0000 0.000 33070-01 2.000 1.0000 2.000 0.000 33070-01 2.000 1.0000 2.0000 0.000 1.00000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.000000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00	13	3.0000	.92500	54.000	5000-03	F0-000h	.6000-03	.8362-05	.6823-05	.9424-05	-4000h.	.5700-01	537.2
4,0000 .22500 .3070-01 .2500-01 .4711-03 .3837-03 .5316-03 .2430 4,0000 .22500 .42000 .1750-01 .1960-01 .2570-01 .3493-03 .2848-03 .3340-03 .1810 4,0000 .25500 73,000 .1750-01 .1420-01 .1970-01 .2678-03 .2183-03 .3840-03 .1810 4,0000 .27500 74,000 .1610-01 .1310-01 .2771-03 .2786-03 .1290 4,0000 .32500 56,000 .1750-01 .1710-01 .2370-01 .325-03 .2731-03 .1580 4,0000 .35500 58,000 .2710-01 .7770-01 .284-03 .371-03 .3750 4,0000 .37500 59,000 .1530-01 .1770-01 .284-03 .1915-03 .1880 4,0000 .45000 .1530-01 .8600-02 .1919-01 .1618-03 .1880-03 .1820-01 4,0000 .45000 .1050-01 .8600-02 .1190-01 .1618-03	13	3.0000	.95000	55.000	.2000-03	.2000-03	.2000-03	. 2857-05	. 2331-05	.3219-05	- 1000-05	1500-01	536.9
4,0000 ,25500 73,000 ,1750-01 ,1400-01 ,2678-03 ,2848-03 ,3940-03 ,1810 4,0000 ,25000 73,000 ,1750-01 ,1420-01 ,1970-01 ,2678-03 ,2183-03 ,3840-03 ,1810 4,0000 ,27500 74,000 ,1610-01 ,1310-01 ,1820-01 ,2471-03 ,2183-03 ,1290 4,0000 ,27500 ,5000 ,1560-01 ,1710-01 ,2370-01 ,2871-03 ,2786-03 ,1850 4,0000 ,35500 ,58,000 ,2100-01 ,1710-01 ,2440-01 ,375-03 ,374-03 ,1850 4,0000 ,37500 ,59,000 ,2150-01 ,1770-01 ,2440-01 ,374-03 ,1730 ,374-03 ,1730 4,0000 ,40000 ,50,000 ,1530-01 ,1550-01 ,1700-01 ,1950-01 ,1915-03 ,1915-03 ,1916-03 ,9400-01 4,0000 ,40000 ,50,000 ,1050-01 ,9600-02 ,1190-01 ,1315-03 ,1916-03 ,9400-01 </td <td>13</td> <td>4.0000</td> <td>.20000</td> <td>000.</td> <td>.3070-01</td> <td>.2500-01</td> <td>3473-01</td> <td>.4711-03</td> <td>.3837-03</td> <td>.5316-03</td> <td>£₹.</td> <td>2.784</td> <td>542.4</td>	13	4.0000	.20000	000.	.3070-01	.2500-01	3473-01	.4711-03	.3837-03	.5316-03	£₹.	2.784	542.4
4,0000 ,25000 73,000 ,1750-01 ,1420-01 ,1970-01 ,6678-03 ,2183-03 ,3020-03 ,1390 4,0000 ,27500 74,000 ,1610-01 ,1310-01 ,1820-01 ,2771-03 ,2015-03 ,2786-03 ,1290 4,0000 ,35000 55,000 ,1510-01 ,1710-01 ,2370-01 ,325-03 ,3631-03 ,1680 4,0000 ,35500 59,000 ,2170-01 ,1710-01 ,2340-01 ,332-03 ,3740-03 ,1530-01 ,1750-01 ,2340-03 ,3740-03 ,1530-01 ,1750-01 ,2340-01 ,3740-03 ,1880-03 ,9840-01 ,9840-03 <td< td=""><td></td><td>4.0000</td><td>.22500</td><td>رح. 000</td><td>.2286 01</td><td>.1960-01</td><td>. 2570-01</td><td>. 3493-03</td><td>. 2848-03</td><td>.3940-03</td><td>. 1810</td><td>2.129</td><td>340.4</td></td<>		4.0000	.22500	رح. 000	.2286 01	.1960-01	. 2570-01	. 3493-03	. 2848-03	.3940-03	. 1810	2.129	340.4
4,0000 .27500 74,000 .1610-01 .1310-01 .1820-01 .2471-03 .2015-03 .2786-03 .1290 4,0000 .30000 56.000 .1560-01 .1710-01 .2370-01 .326-03 .1936-03 .1296 4,0000 .35500 59.000 .2170-01 .1770-01 .2440-01 .3372-03 .331-03 .1880 4,0000 .37500 59.000 .1530-01 .1770-01 .2470-01 .3372-03 .1880 .2846-03 .1220 4,0000 .4000 67.000 .1050-01 .8600-02 .1110-01 .1316-03 .1818-03 .8900-01 4,0000 .40500 .1050-01 .8600-02 .1110-01 .1316-03 .8900-01		•	.25000	73.000	.1750-01	. 1420-01	1970-01	. 2678-03	.2183-03	. 3020-03	.1390	1.634	540.0
4,0000 32500 56,000 1560-01 1280-01 1760-01 3298-03 1956-03 3531-03 1250 64,0000 32500 57,000 2100-01 1710-01 2370-01 375-03 2627-03 3531-03 1680 64,0000 35500 58,000 1710-01 1710-01 3322-03 352-03 3531-03 3730 64,0000 37500 59,000 1530-01 1250-01 1730-0	13	4.0000	.27500	74.000	.1610-01	1310-01	. 1820-01	.2471-03	.2015-03	.2786-03	. 1290	1.595	539.1
4,0000 ,35500 57,000 ,2100-01 ,1710-01 ,2370-01 ,352-03 ,5631-03 ,1680 6 6 7,000 ,25500 58,000 ,1730-01 ,1730-01 ,2322-03 ,352-03 ,3740-03 ,1730 6 7,000	13	٠٠ . 0000	.30000	56.000	.1560-01	10-0821.	10-0971.	.2398-03	. 1956-03	. 27'13-03	. 1250	1.642	538.3
4,0000 35600 58.000 1.170-01 1.1710-01 3528-03 3528-03 3.730 3 1730 4 10000 37500 59.000 1.530-01 1.250-01 1.250-01 1.250-01 1.250-01 1.250-01 1.250-01 1.250-01 1.250-01 1.250-01 1.250-01 1.05	13	۴.0000	.32500	57.000	.2100-01	1710-01	.2370-01	.327,-03	. 2627-03	. 3631-03	. 1680	2.205	538.3
4,0000 37500 59.000 1530-01 1250-01 1730-01 5347-03 1915-03 56% 00 3.1220 1.0000 4.0000 6/200 1050-01	13	4.0000	.35000	58.000	.2170-01	10-0771.	. 2440-01	. 3322-03	.2710-03	.374"-03	.1730	2.275	538.2
. 10-000 67,000 67,000 1050-01 8600-02 1.090-01 1.0513-03 1.0516-03 8400-01 1.0516 1.0	13	4.0000	37500	59.000	.1530-01	. 1250-01	.1730-01	.2347-03	. 1915-03	.2646-03	. 1220	1.610	537.7
. 10-0013. 50-751. +0-709. 50-7711. 50-00. 8-700. 50-00. 1. 10-00.	13	, 0000	40000	67,000	.1050-01	.8600-02	1190-01	.1613-03	.1316-03	.1818-03	10-00-01	1.107	537.3
		0000	.42500	000.10	50-0077.	.6300-02	.8700-0 2	.1177-03	.9607-04	.1327-03	.6100-01	.8080	537.4

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DATE 0	DATE 07 OCT 75		04-74 (AEDC V418-38A) HEATING DATA ON ORBITER FUSELAGE PORT	V418-88A)	HEATING (DATA ON ORE	BITER FUSEL	AGE PORT !	S10E			PAGE 315
				OH-74 (AE	C V418-89/	1) B62C12F1	04-74 (AEDC V418-88A) 862C12F10M16W127E5ZV8R19	52VBR19				(RV8005)
RON	TRAVE	x/L	1/C NO	H/HREF	H.HREF	H/HREF	H(910)	H(T0)	H(TAM)	1000	OTMOT	2
NUMBER				₽ . 0.9	R=1.0	R-TAW	BTU/ R	BTU/ R	BTU/ R	B *U/	DEG. R	DFG. R
							FT2SEC	FT2SEC	FT2SEC	FTPSEC)ECC	
13	۴.0000	.45000	62.000	.6000-02	4900-05	.6700-02	.91+3-04	.7461-04	.1030-93	.4800-01	.67.	537.1
13	4.0000	.~7500	63.000	50-0064.	50-000h.	.5500-02	.7482-04	.6107-04	.8432-04	. 3900-01	סטייי.	536.8
13	4.1300	.50000	64.000	50-0 0 44.	.3630-02	.5000-02	.6768-04	.5524-04	.7627-04	.3500-01	0044.	536.6
13	4.3000	.52500	65.000	.2500-02	.2000-02	.280n-02	.3788-04	.3031-04	.4268-04	.2000-01	.2460	536.7
13	4.0000	.55000	66.000	.2800-02	.2300-02	.3100-02	40-5754.	.3486-04	.4813-04	. 2200-01	.2630	3.06
13	٠, 0000	.60000	67.000	50-0012.	-1700-02	.2400-02	.3209-04	.2620-04	.3616-04	10-0021.	0061.	46.2
13	۴.0000	.65000	69.000	.1300-02	.1100-02	. 1500-02	1994-04	.1628-04	.2247-04	10-0001	. 1230	536.4
13	4.000v	00000.	69.000	.8000-03	.6000-03	.8000-03	1154-04	.9419-05	.1301-04	-00009.	.6700-01	536.9
	4.0000	.75000	70.000	.9000-03	.8000-03	.1100-02	.1430-04	.1168-04	.1612-04	.7000-02	10-00%	536 1
13	۴.0000	.87500	77.000	.3000-03	. 3000-03	.4000-03	.5370-05	.4383-05	.6051-05	. 3000-02	14-00LE	536.5
13	0000.	.90000	78.000	.4000-03	. 3000-03	.5000-03	.6405-05	.5227-05	.7217-05	.3000-02	10~0044.	536 8
13	4.0000	.92500	79.000	.6000-03	.5000-03	.60000-03	.8755-05	.7146-05	.9865-05	.5000-02	.5700-01	536 5
13	4.0000	.95000	86.000	. 1600-02	. 1300-02	.1800-02	-8542°	.2005-04	٠٥-5775.	.0000	.0000	583.2

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0.000				7747	X V418-88/	PH-74 (AFDC VA.18-B8A) BGSCIEF ION IGNIEVES VBR 19	200113120	52VBR19				(RVB005)
2000				יאני לייני			ST/ SIMOILO	1 7				
UNBITER FOREING	i AGE							PARAH	PARAMETRIC DATA			
					BETA	-2.00€	HACH	B.000	ELEVON .	0000	RUDDER .	0000.
					•••165	***TEST CONDITIONS***	•					
RUN HA	MACH ALF	ALPHA DEG.	P51A	T0 DEG. R	PH 1 056	YAW DEG.	T 0£6. R	م <u>«</u> ₹	0 & ¥1\$	V F1/SEC	RHO SLUGS	335-87 FB-SEC
۱۴ 7.88n	M 29.83		82.40	1171.	90.19	-1.900	87.70	.9000-02	.4050	3616.	/FT3 .8906-05	7062-07
RUN RA		HREF	STN NO									
NUMBER X10 6		BTU/ R FT2SEC	.0175									
1954. 41	-1536-	10-98	.6002-01									
					•	***TEST DATA***	•					
RUN TRACE	יכב x/ר		1/C NO	H/HREF	H/HREF	H/HREF	H(910)	H 10	H(TAH)	1000	DTMDT	3
œ				R=0.9	R=1.0	R-TAM	BTU/ R	BTU/ R	81U/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FT2SEC	FT2SEC	FT2SEC)3S/	
1.0000		200	0000 1	.1280-01	10-0401.	10-0441	.1960-03	.1599-03	.2210-03	. 1020	1.060	538.7
		000	2.0000 4.0000	10-0111.	50-0006	10-0621	1699-03	50-0861	50-6181.	10-0089.	0 50	538.5
0000	35500		5.000 4.0000	10-0101.	-00-05	10-0411	1548-03	. 1263-03	.1745-03	.8100-01	.8390	537.8
•		200	5.0000	10-0601.	-8900-05	1630-01	. 1678-03	.1368-03	. 1891-03	.8700-01	.9210	538.5
_	·	₩0000	6.0000	.1730-01	.1410-01	1950-01	.6751-03	.2162-03	.2988-03	.1380	1.422	538.3
14 1.0000	•	.42500	7.0000	.18,0-01	1470-01	.2040-01	.27',03	. 2264-03	.3129-03	. 1440	1.501	538.7
_		000	9.0000	.2020-01	. 1650-01	.2280-01	.3100-03	.2529-03	.3495-03	.1610	1.654	538.6
_	-	.47500	9.0000	.2280-01	1860-01	.2570-01	.3504-03	.2857-03	. 3951-03	0.00	928.1	7.59.6
0000 - 11	00005. 000		000.01	10-02/1	0-0-1	10-046	20-96-03	1710-03	. 2363-03	0601	017.1	538.0
-			12.000	1150-01	9+00-05	. 1300-01	.1772-03	1446-03	1997-03	10-0026.	.9300	537.9
	•	60000	13.000	.7600-02	.6200-02	. 8500-02	.1164-03	.9497-04	.1312-03	10-0019	.6130	537.4
_		000	14.000	.6800-02	.5500-02	50-0077.	.1044-03	.8522-04	.1177-03	.5500-01	.5540	537.3
_		00	.5.000	.5100-02	50-0014.	.5700-02	.7802-04	.6367-04	.8793-04	.4100-01	٠,4000	537.0
14 1.0000	00027. 00	80	16.000	.2500-02	.2000-02	.2800-02	.3793-04	.3095-04	.4574-04	.2000-61	.2010	537.0
14 1.0000	·	000	17.000	.1300-02	. 1100-02	. 1500-02	.1987-04	.1621-04	.2239-04	. 1000-01	0101.	536.7
14 2.0000	00 .28500	900	18.000	.1380-01	10-0811.	1260-01	.2121-03	.1730-03	.2372-03	.1110	1.300	538.3
14 2.0000			19.000	.1280-01	10-0401	10-0441.	. 1966-03	. 1604-03	.2215-03	.1030	1.212	537.7
	•	_	20.000	.2560-01	.2080-01	2880-01	. 3925-03	.3202-03	.4425-03	.2040	2.417	538.4
14 2.0000	•		21.000	.2330-01	10-0061	. 2620-01	.3575-03	.2916-03	.4030-03	. 1860	2.190	538.3
14 2.0000	00 .47800	-	22.030	. 1420-01	.1160-01	. 1600-01	.2176-93	.1776-03	. 2453-03	9	269	537.6

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DH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	
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DATE 07	7 001 75		0H-74 (AEDC V418-88A)	V418-88A)	HEATING [HEATING DATA ON ORBITER FUSELAGE PORT	ITER FUSEL		3015			PAGE 317
				0H-74 (AED	X V418-89	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	0M16W127E	52V8R19				(RV8005)
å	704.7	, ,	ON 0/1	H/H965	H/HREF	H/HREF	H(910)	H(10)	H(TAM)	1000	DTMDT	¥
NCHBER		.	•	R*0.9	R=1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R
							FT2SEC	FTZSEC	FTZSEC	FT2SEC	/SEC	!
<u>*</u>	2.0000	.53000	23.000	.8 900-02	.7300-02	10-0001.	.1255-03	1114-03	. 1539-03	.7100-01	. 7960	537.5
ž	2.0000	.56700	24.000	. 6800 -02	.5600-02	50-0074	.1050-03	.8572-04	.1184-03	.5500-01	.5980	537.3
<u>*</u>	2,000	. 62000	25.000	5700-05	£0-007+.	.6500-02	.8823-04	.7200-04	. 9943-04	.4600-01	. 5030	537.0
<u>*</u>	2.3000	.67000	25.000	-7300-02	.6000-02	.8200-02	.1122-03	.9161-0 4	.1264-03	.5900-01	02.49.	535.9
ž	€.0000	.70500	27.000	.6100-02	-4 9 00-92	.6800-02	.9292-04	.7586-04	.1047-03	10-0064	. 5260	535.9
<u>*</u>	2.0000	.75000	28.000	.2200-02	. 1800-02	.2500-02	.3379-04	.2759-04	.3807-04	. 1800-01	. 1950	535.8
<u>*</u>	2.0000	. 80000	29.000	.1500-02	. 1200-02	.1700-02	.2341-04	1911-04	.2638-04	1200-01	.1360	536.0
<u>*</u>	€.0000	.82400	30.00	£0-000h.	3000-03	.4000-03	.5821-05	.4752-05	.6559-05	3000-05	10-0054.	3,050
<u>*</u>	3.0000	.20000	31.000	.2690-01	2190-01	3040-01	74135-03	. 53/0-03	20003	0412.	נייי. פייי	7.04.0
•	3.0000	00000	34.000	10-0001	10-0591	ים-טינים.	50-0045.	2350-03	10 - O-7-7-	1500	1.682	539.3
* -	3.0000	00000	33.000	10-0051	18-05-01	1690-01	.2297-03	. 1874-03	.2589-03	1200	1.438	538.2
٠.	3.0000	30000	32.040 35.040	1300-01	1060-01	.1470-01	.2001-03	.1632-03	.2255-03	0401.	1.296	537.6
. 1	3.0000	.32500	36.000	1590-01	.1300-01	1790-01	.2438-03	.1989-03	.2748-03	0.1270	1.496	537.6
: <u>*</u>	3.0000	.35000	37.090	.2300-01	.1870-01	.2590-01	. 3525-03	. 2876-03	3074-03	. 1840	2.138	538.1
<i>±</i>	3.0000	.37500	39.000	.2490-03	.2030-01	.2800-01	.3819-03	.3115-03	.4305-03	. 1990	2.341	538.1
<i>±</i>	3.0000	40000	39.000	.1460-01	10-0611.	.1650-01	. 2244-03	. 1831-03	. 2529-03	.1170	1.385	537.3
<u>*</u>	3.0000	.42500	40.000	1440-01	.1180-01	.1630-01	.2216-03	.1809-03	.2498-03	. 1160	1.376	537.3
<u>*</u>	3.0000	.45000	41.000	1170-01	.9600-02	.1320-01	.1804-03	. 1472-03	. 2032-03	10 00+6	1.081	536.7
<u>*</u>	3.0000	.47500	42.000	.9800-0 2	.8000-02	.1110-01	.1510-03	. 1232-03	.1701-03	10-0062	.8810	537.1
<u>*</u>	3.0000	.50000	43.000	-8400-05	.6300-02	-9500-02	.1290-03	.1053-03	. 1454-03	10-0029	.7540	536.E
<u>*</u>	3.0000	.52500	44.000	.6000-02	50-006h.	.6800-02	.9222-04	.7527-04	.1039-03	10-0084	. 5680	535.4
ĩ	3.0000	.55000	45.000	-80009-05	50-006h.	. 680 0-02	. 9244-04	.7546-04	.1042-03	10-0084	.5410	536.3
<u>*</u>	3.6060	.60000	46.000	.4300-02	.3500-02	₹0-006%	.6617-04	.5402.04	.7455-04	.3500-01	. 3780	536.1
<u>*</u>	3.0000	. 55000	47.000	20-00hh	.3600-02	.5000-02	.6792-04	. 5545-04	.7653-04	.3600-01	.3790	536.1
<u>*</u>	3.0000	.70000	48.000	S100-05	.1700-02	.2300-02	.3175-04	. 2592-04	.3577-04	1700-01	0.1840	535.8
2	3.0000	.75000	49.000	.1600-02	.1300-02	-1800-55	-5213-04	.2057-04	5838-04	1300-01	0 0 0 0 0 0 0	7.050
<u>*</u>	3.0000	.80000	50.000	.6000-03	.5000-03	.7000-03	9499-05	.7756-05	1070-04	50000-05	10-0055	555.8 676.0
£	3.0000	.85000	21.000	.3000-02	. 2500-02	3400-05	.4634-04	. 3783-04	- 1986. - 1986.	10-0042	0105.	526.0
<u>\$</u>	3.0000	.87501	52.000	20-00-1	-1100-02	20-0051	- COB1-04	+0-5591.	40-045. 20-05.	2000-00	00001	527.1
Ī	3.0000	00006	53 000	.4000-03	.3000-03	50-0004.	00-14-00	10-7561	- 1631	- 30-000 ·	10-0004	537.1
<u>*</u>	3.0000	. 92500	000.45	50-0006.	20-0002	20-0011.	5050-05	+0-4/11.	5715-05	3000-05	.3200-01	536.8
<u>*</u> :	3.0000	00006	33.000	10-0212	2580-01	3580-01	.4867-03	. 3963-03	5494-03	.2510	2.871	543.2
<u> </u>	0000	22500	25.000	2340-01	1910-01	.2640-01	.3596-03	. 2930-03	.4056-03	. 1860	2.188	541.1
: :	0000	. 25000	73.000	10-0115.	1720-01	.2380-03	. 3236-03	.2638-03	.3650-03	. 1680	1.973	540.3
: ≛	۲. 0000	.27500	24.000	1790-01	1460-01	.2010-01	.2743-03	. 2236-03	.3093-03	. 1430	1.768	539.6
. <u>*</u>	4.0000	. 30000	56.000	.1850-01	1510-01	.2090-01	.2844-03	.2319-03	.3276-03	0841.	3.6°-	539.0
<u>*</u>	4.0000	.3, 500	57.000	.2120-01	.1730-01	.2350-01	. 3252-03	. 2653-03	.3666-03	. 1690	2.226	538.5
2	۴.0000	.35000	58.000	.1570-01	. 1280-01	10-0221	.2408-03	.1964-03	.2714-03	.1260	1.650	537.9
Ŧ	4.0000	.37500	59,000	1130-01	. 9200-0 2	.1270-01	. 1729-03	. 1411-03	. 1949-03	10-0006		537.1
<u>₹</u>	٠, 0000	00004	60.000	.1050-01	-8600-02	10-0811.	.1611-03	.1315-03	.1816-03	10-00-8	1.108	535.7
ī	4.0000	.42500	61.000	.7100-02	. 5800-02	-00008.	: 00-960:	*0-2 *68 *	.1235-03	10-00/5.	. /550	536.6

The second second

DATE 0'	DATE 07 OCT 75		OH-74 (AEDC	V418-84A)	HEAT ING 1	HEATING DATA ON ORBITER FUSELAGE PORT	BITER FUSEI	LAGE PORT !	3015			PAGE 318	
				OH-74 (AS	24-74 (AEDC V418-88A) BG2C12F10M16W127E52V8R19	A) B62C12F	10M16W127E	52VBR19				(RV8005)	
\$	TRANE	X/L	1/C NO	H/HREF	H/HREF	H/HREF	н(910)	н(10)	H(TAH)	1000	DTMDT	3	
NCHBER				P=0.⊕	R-1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DEG. R	
							FT2SEC	FT2SEC	FT2SEC	FT2SEC). SEC		
<u>*</u>	۴.0000	.45000	62.000	.5700-02	.4700-02	.6400-02	.8761-04	.7151-04	.9873-04	10-0094.	.5960	536.5	
<u>.</u>	4.0010	.47500	63.000	-4400-0S	.3600-02	₹0-006h.	.6727-04	.5491-04	.7580-04	.3500-01	0644.	536 5	
<u> </u>	ج. تق ق	.50000	64.000	.3700-02	.3000-02	-4100-02	.5636-04	.4501-04	.6351-04	.2900-01	.3660	536.2	
<u>.</u> .	4, 301.6	.52500	65.000	.3900-02	. 3200-02	20-0044.	.5941-04	+0-058+	+0-5699.	.3100-01	.3860	536.5	
<u>*</u>	4.00.30	.55000	900.99	.4eu0-02	. 3400-02	50-00th.	.6386-04	.5213-04	.7195-04	.3300-01	.3930	536.2	
<u>*</u>	4.0600	.60000	67.000	.2000-02	.1700-02	.2300-02	.3106-04	.2536-04	.3500-04	1600-01	0487	536.1	
<u>*</u>	4.6000	. 55000	68.000	.7000-03	.6000-03	.8000-03	.1083-04	.8839-05	. 1220-04	.6000-02	.6700-01	536.6	
±	4.00 v	.70000	69.000	.9000-03	.7000-03	. 1000-02	.1400-04	1142-04	.1577-04	. 7000-02	.8200-01	537.1	
<u>*</u>	₹.0000	.75000	70.000	. 1500-02	. 1300-02	.1700-02	. 2351-04	.1920-04	.2649-04	. 1200-01	.1380	535.9	
ž	4.0030	.80000	75.000	.2000-03	.2000-03	.3000-03	. 3823-05	.3120-05	.4308 05	.2000-02	.2400-01	536.8	
<u>*</u>	٠.0000	. 85000	76.000	.2000-03	. 1000-03	.2000-03	.2378-05	. 1941-05	.2580-05	. 1000-02	.1500-01	536.6	
<u>+</u>	4.0000	.87500	77.000	.200^-03	.2000-03	.2000-03	.2940-05	. 2400-05	.3313-05	.2000-02	.2000-01	536.1	
<u>-</u>	٠. 0000	.90000	78.000	.6000-03	.5000-03	.7000-03	.9012-05	.7356-05	1016-04	.5000-02	.6100-01	536.4	
<u>.</u>	۴.0000	.92500	79.000	.4000-03	.4000-03	.5000-63	.6774-05	.5529-05	.7634-05	S0-0004.	.4400-01	536.7	
ī	۴. 0000	.95000	86.000	. 1600-02	. 1300-02	.1800-02	.2458-04	.2005-04	.2772-04	.0000	.0000	583.3	

The second secon

PAGE 319 (RVB305) MU LB-SEC /FT2 7054-37 .000 RUDDER . 8989-05 RHO SLUGS /FT3 0000 FT/SEC 3616. ELEVON -PARAMETRIC DATA 0 ¥ 1¥ 1¥ 0404 OH-74 (AEDC VYI]-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE 8.000 .9v00-02 a 8 ₹ OH-74 (AEDC V418-88A) BE2C12F10H16M127E52V8R19 MACH DEG. R 87.70 ***TEST CONDITIONS*** ***TEST DATA*** - -2.000 YAW DEG. -2.400 ₩. -166.2 . 9 17. STN NO 0-8009 27.10. 82.30 å 8707 R FT25EC .1534-01 ALPHA DEG. HREF 39.71 ORBITER FUSE, AGE RN/L X10 6 /FT /FS2 Ž DATE 07 OCT 75 RUN NCHBER NUMBER 5 Ş

537.8 537.3 537.7 537.3 537.3 537.5 537.5 536.8 536.8 536.2 536.2 536.2 536.2 536.2 537.3 537.1 537.0 537.0 537.1 DTHDT DEG. R /SEC .9630 .6580 1.18t 1.181 1.105 1.242 1.026 .7160 .8730 .8270 .4620 .2720 .1150 .1130 1.621 1.435 1.279 .8660 F125EC .9300-01 .8000-01 .6400-01 .8100-01 .7000-01 .4500-01 .2700-01 .1500-01 .1500-01 1000+00 10-0086 8600-01 .1140 .1120 .1070 .3180-04 .3180-04 .2505-04 .276-03 .2458-03 .2421-03 .2316-03 .1849-03 .1758-03 .1522-03 .2345-03 2617-03 1718-03 BTU/ R FT2SEC 2002-03 1379-03 .2161-03 +.0-0186 HCTAN) .1753-03 .1676-03 .1869-03 . 1338-03 . 1272-03 . 1101-03 . 9304-04 . 7105-04 . 1855-04 . 2303-04 . 1815-04 . 1540-03 .2142-03 .1895-03 .1698-03 1449-63 H(TO) BTU/ R 1244-03 .9983-04 .1780-03 FT2SEC .1776-03 .2181-03 .2148-03 .2055-03 .1140-03 .8705-04 .5128-04 H(910) 81U/ R . 1525-03 . 1223-03 . 1917-03 .1640-03 .1560-03 .1350-03 .2825-0¥ .2223-04 1887-03 2625-03 FT2SEC .1600-01 .1580-01 .1700-62 .2100-02 .1530-01 1300-01 1150-01 1120-01 -000G 1200-01 -9900-05 8400-05 6400-02 3800-02 10-0801. 11-10-01 .1600-02 .1390-01 .1930-01 1710-01 H/HREF R=TAH 9700-02 9300-02 9300-02 7203-02 4600-02 1200-02 1200-02 1200-02 1200-02 10-0601. .8100-02 .1110-01 9400-02 . : 220-01 12-0-01 H/HREF R=1.0 .1160-01 .9900-02 .8600-02 .1420-01 .1340-01 .8865.02 .7400.02 .5700.02 .3300.02 .1500.02 .1800.02 .1409.02 .1070-v1 .1510-01 14-90-01 1250-01 H/HREF R*0.9 1/C NO 1.0000 5.0000 6.0000 7.0000 7.0000 9.0000 10.000 11.000 13.000 14.000 15.000 15.000 16.000 17.000 19.000 20.000 21.000 22.000 **40000** .45500 .47500 .5000 .5000 .55000 .55000 .55000 .75000 .75000 .75000 .80300 .80300 39000 × 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 TRACE 2.0000 2.0000 2.0000 2.0000 2.0000 RUN NUMBER ត្តប្តស្តិតក្តស្តិតក្តស្តិ

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THE RESERVE OF THE PROPERTY OF

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Chapter Constants

REPRODUCIBILITY OF THE ORIGINAL PAGE IS FOOR

DATE 07	7 OCT 75		OH-74 (AED)	OH-74 (AEDC V418-88A)		HEATING DATA ON ORBITER FUSELAGE PORT	ITER FUSEL		3018			PAGE 320
				0H-74 (AE)	04-74 (AEDC V418-88A: 862C12F10M16W127E52V8R19	: BESCIEFI	OMIGWIETES	2VBR19				(RVB305)
ā	104.15	7	2,7	H/HAFF	H/HREF	H/HREF	H(970)	1(10)	H(TAN)	1000	DTMDT	3
NUMBER	1	ì	?	R=0.9	8	R-TAW	81U/ R	BTU/ R	BTU/ R	910	DEG. R	DEG. R
							FT2SEC	FT2SEC	F 125EC	FT25EC	755	6
<u></u>	2.0000	.53000	23.000	.7000- 02	.5700-02	. 7900-02	. 1079-03	.8803-04	. 1216-03	- 2600-C	.6300	350.9
5	2.0000	.56700	000 · 1	. 5500-02	- 4500-02h	.6100-02	.8370-04	.6832-04	.9431-04	10-0055	0000	335.4
ī.	2.6.300	.62000	25.030	.3200-02	-2600-02	. 3600-02	+0~906+.	40-S004.	.5529-0%	. 2600-01	0000	130.4
ū	2.3000	.67000	Se. 000	.2300-62	.1800-02	. 2500-07	.3457-04	. 2822-04	3695-04	1800-01	0.61.	130.1
5	≥.0000	. 70500	27.000	. 1200-02	.1000-02	. 1300-02	1814-04	1481-04	.2043-04	50-0006.	0501.	7.55.7
5	2.0000	.75000	28.000	. 1200-02	-1000-05	1300-05	1792-04	+0-29+1	-2019-04	50-0006.	1030	353.3
5	€.0000	.80009	29.000	.3000-03	.3000-03	.4000-03	.5154-05	.4208-05	5807-05	. 3000-02	19-0005.	333.8 540.1
<u></u>	3.0000	.20000	31.000	10-0952	10-0602	. 2890-01	. 3927-03	. 3601-03	951-8077	0502.	1012	5.010
ī.	3.0000	. 22500	38.000	10-0212.	17-0721	10-06-1	25.65-03	20-96-03	2896-03	0.5	1.504	538.0
ត រ	3.0006	00000	33.000	10-0581	10-00-1	1520-01	.2068-03	.1688-03	.2331-03	. 1080	1.298	537.2
2 <u>k</u>	3.000	20000	35.000	1.400-01	1150-01	1580-01	.2155-03	.1759-03	. 2429-03	.1130	1.399	536.7
<u>.</u>	3.0000	32500	36.000	1870-01	.1520-01	.2100-01	.2865-03	.2338-03	. 3229-03	.1500	1.761	537.0
. r	3.0000	35000	37.000	1630-01	.1310-01	10-0181	.2460-03	.2008-03	.2772-03	. 1290	1.497	536.8
Š	3.0000	.37500	38.000	.1430-01	1170-01	1610-01	.2197-03	.1793-03	.2476-03	.1150	1.351	536.7
č	3.0000	40000	35.000	.9800-02	-0000	10-0111.	.1508-03	. 1231-03	.1699-03	10-0064	.9330	536.5
ក	3.0000	.42500	40 000	.9100-02	.7400-02	.1020-01	. 1392-03	.1136-03	.1568-03	.7300-01	.8660	5,36.4
č	3.0000	. 45000	41.000	50-0077.	.6300-02	. 8 700-02	.1187-03	.9687-04	.1337-03	.6200-01	. 7150	536.2
5	3.0000	7509	42.060	.4800-02	. 3900-02	.5400-0 2	.7351-04	.6001-04	.8583-04	.3800-01	.4300	536.1
ō	3.0000	.50000	43.600	50-0014°	.3300-02	-4600-02	.6295-04	.5130 .04	.7092-04	. 3300-01	.3580	556.1
5	3.0000	.52500	44.000	.3800-02	.3100-02	.4200-02	.5763-04	40-9324.	.6493-04	.3000-01	3550	555.6
5	3.0000	. 55000	45.606	. 3640-02	. 3000-02	50-0514	.5551-04	.4533-04	.6254-04	10-0062	. 3650	333.3
5	3.0000	.60000	46.000	. 2200-02	50-00P1.	.2500-02	.3452-04	-28182.	. 3889 - 04	1800-01	. 1970	333.5
15	3.0000	.70000	48.000	.5000-03	.4000-03	.6000-03	.7688-05	.6278-05	. 8651-05	50-0004.	10-0054.	353.4
5	3,0000	.75300	49.000	.6000-03	.5000-03	.7300-03	.9674-05	. 7899-05	+0-0601.	.5000-02	10-0055.	555.5
ñ	3.0000	.80000	50.00g	-1400-05	. i : 00-02	.1600-32	.2139-04	1746-04	+0-60+Z	10-6011.	. 1500	333.7
5	3.0000	.85000	51.000	.6000-03	.5000-03	.7000-03	.9908-05	.8085-05	+0-1111.	50000-02	10-0049.	350.9
5	3.0000	.87500	52.000	0000.	. 0000	0000	90-7764.	.4062-06	90-5096	. 0000	. 3000-02	330.7
5	3.0000	00006.	53.000	.3000-03	.2000-03	. 3000-03	.4512-05	3682-05	5084-05	20-000-05	. 3500-01	330.8 636.0
15	3.0000	. 92501	54.000	.6000-03	.5030-03	7000-03	-3195-05	cu-suc/.	1030-04	20.000.	10-0000	526.7
ī.	3.0000	.95000	55.000	0000	06-5.	.0000	20-FC51.	.1063-05	1913-00	0216	20001.	541.6
15	۰, 0000	. 20000	71.000	10-0642	19-26-01	. 50.50-C	50-00CE	50-1096	*208-64	1710	2.008	539.7
<u>ت</u> ا	4.0000	. 22500	72.000	10-0-10-	10-05/1	10-0360	50-95-55 50-9-25	256: 25	1515.	0441	1.697	539.3
Ξ.	4.0000	0.000	75.000	10-0191	10-0021	10-0161	2593-03	.2115-03	2923-03	. 1350	1.676	538.5
ŭ Ā	0000	00013.	56.000	1760-01	10-0771	10-0561.	.2707-03	. 2-808-03	. 3051-03	.1410	1.857	537.5
<u>.</u>	0000	20000	57.000	10-06-11	.1050-01	.1450-01	.1972-03	. 1609-03	. 2222-03	. 1030	1.355	536.9
. ĸ	4.0000	.35000	56.000	1030-01	.8+00-0S	.1160-01	.1583-03	. 1292-03	.1734-03	.83C0-01	580	536.5
<u> </u>	9000.	.37500	59.000	-8300-02	.6700-02	.9300-02	. 1265-03	.1033-03	. 1427-03	.6600-01	.8710	536.4
ō	4.0000	PC000	60.00	.5600-02	.4600-02	.6300-02	.8612-04	.7031-04	.9703-04	.4500-01	.5930	535.9
5	4.0000	.42500	61.000	.3900-02	. 3200-02	-A400-05	.6051-04	+0-1+6±.	.6818-0	. 3200-01	.4170	535.B
5	4.0000	.45000	900 29	.3300-02	50-0075.	. 3800-02	.5124-04	4184-04	.5773-04	2700-01	06480	333.7
5	۴.0000	.47530	63.000	.2600-02	-2100-05	-2900-05	+0-8304	. 3268-04	.4510-04	10-0012	upar.	335.6

CATE 0.	DATE 07 OCT 75		OH-74 (AEDC	. V418-884)	WIB-88A) HEATING DATA ON URBITER FUSELAGE PORT	DATA ON CAR	IITER FUSEI		3015			PAGE	32
				OH-74 (AE	04-74 (AEDC V418-88A) 862C12F10M16W127E52V8R19	N 862C12F1	OMIGWIZTE	52VBR19				(RVB	(RVB005)
\$	18A.E	X/L	1/C ND	H/HREF	H/HREF	H/HREF	H(910)	H(T0)	HCTAM)	1000	ŏ	2	
NUMBER				R*0.9	R=1.0	R-TAW	8TU/ R	87U/ R	BTU/ R	Bru/	0£,	DEG.	œ
							FT2SEC	F*3SEC	FTZSEC	FT2SEC	/SEC		
5	₹.0000	.50000	다. DOO	. 1600-0 2	. 1300-02	. 1800-02	.2394-04	.1955-04	.2657-04	.1300-01	. 1560	535.5	
5	€.0000	.52500	65.000	. 1300-02	.1100-02	. 1500-02	-0-110≥.	· 1642-04	.2265-04	.1100-01	.13.0	535.7	
5	4.1.300	.55000	66.000	.6000-03	.6000-03	.9000-03	.1158-04	.9451-05	. 1304-04	.6000-02	.7100-01	535.7	
5	4.3000	.60000	67.000	.1100-02	.9000-03	. 1200-02	1644-04	.1342-34	.1852-04	.9000-02	10-0016.	535.6	
5	• .0000	. 70000	69.000	.7000-33	.6000-03	.8000-03	.1098-04	.8963-05	.1237-04	.6000-02	.6400-01	536.5	
5	۴.000	.75000	20.000	.7000-03	.5000-03	.7000-03	.1017-04	.8299-05	.1145-04	.5000-02	.5906-31	536.0	
51	₹.0000	.80000	35.000	. 0000	.0000	.0000	.2027-06	.1655-06	. 2284-06	.0000	.1000-02	536.5	
č	4.0000	.85630	76.000	. 1700-02	20-004.	. 1900-02	. 256';-04	.2093-04	+0-6882°	10-0021	.1600	536.2	
5	۴.0000	.87500	77.000	.2000-03	.2000-03	£0-000c	.2940-05	.2400-05	.3313-05	. 2000-02	.2000-01	536.1	
5	4.0000	.92500	79.000	.4000-03	.4000-03	.5000-03	.E774-05	.5529-05	.7634-05	50-0004.	10-0044.	536.7	
5	۴.0000	.950ეი	80.000	.2300-02	50-061.	.2600-02	. 3496-04	,2854-04	.3940-04	.0000	.0000	583.3	

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PAGE 322 (RVB005)

CH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	OH-74 (AEDC V418-88A) BEZCIZF10MIGHIZ7E52V3R19	PAJAMETRIC DATA
DATE 07 OCT 75		ORBITER FUSEL AGE

ORBITER FUSEL ADE

DETA = -2,000 MACH = 8,000 LLEVEN - . TEGT RUDDER = .0000

- 8 9 9 8 4 8 4 8 4 8 4 8 8 4 8 8 8 8 8 8	7.940 FBV/L X10 6	ALPHA DEG. 29.82 HREF BBTU, R	PSIA 190.1 STN NO	70 DEG. R	. 6 	***TEST CONDITIONS*** **I 'YAH T ***C' DE'C' DE'C 30 -2.00 91.81	OMS 7 0.0. R 91.80	P PSIA	9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	۷ ۲۲/9£0 ۳۶۴:	640 SLU65 /FT3	HU LB-SEC /FT2 .7389-07
8	.9429	.2317-01	.4169-01									

TEST DATA

2	TRACE	X/I	1/C NO	H/HREF	H/HREF	H/HREF	H(9T0)	нс то)	HLTAH	200	DTMOT	3
MPGER		!	!	R=0.9	R=1.0	R-TAH	81U/ R	BTU/ R	BTU/ R	BTU/	DEG. R	DE0. R
							FTRSEC	FT2SEC	FTESEC	FTZSEC)SEC	
*	1,0000	27508	1.0000	1129-01	.9300-02	.1260-01	.2604-03	.2146-03	.2916-03	. 1520	1.580	539.7
8 %	9000	30000	2,0000	1050-01	.8600-02	1170-01	.2422-03	. 1995-03	.2711-03	. 1420	1.506	539.4
8 8	0000	000	3.0000	.8800-02	.7200-02	-9800-05	.2027-03	.1671-03	.2270-03	.1.90	1.221	539.0
8 %	0000	25000	4.0000	1010-01	.8300-02	1130-01	.2333-03	. 1923-03	.2612-03	.1370	914.1	538.7
2 %	0000	37500	5.0000	1070-01	.8800-02	1190-01	.2473-03	.2038-03	.2769-03	. 1450	1.583	539.3
2 %	0000	40000	6.0000	1780-01	1470-01	10-0661.	.4124-03	.3396-03	.4618-03	01.49.	2.480	539.6
8 %	0000	42500	7.0000	1790-01	10-0841.	.2010-01	.4155-03	. 3422-03	.4652-03	.2430	2.518	540.3
8	1.0000	45000	8.0000	1970-01	. 1630-01	.2210-01	.4575-03	.3769-03	.5123-03	.2670	2.736	0.040
8	0000	47500	9.0000	.2740-01	.2260-01	.3070-01	.6349-03	. 522703	.7111-03	.3700	3.766	£3
8 %	0000	50000	10,000	10-0561	1610-01	.2180-01	.4516-03	. 3720 -03	.5057-03	.2640	2.673	540.6
8 %	0000	52500	11.000	13-0661	1310-01	1790-01	3694-02	.3044-03	.4136~03	.zi60	2.192	539.5
: %	0000	55000	12,000	1400-01	1150-01	1550-01	. 3236-03	.2667-03	. 3623-03	. 1890	1.903	539.4
8	0000	60000	13.000	. 8300-02	.6900-02	.93Gn-02·	.1929-03	. 1590-03	.2160-03	.1130	1.148	538.4
8 8	0000	65000	14,000	7900-05	.6500-02	. 8993-02	. 1835-02	.15/2-03	.2054-03	. 1080	1.092	538.1
9 (1	0000	2000	15.000	4300-02	.3600-02	.4600-02	.:000-03	.8248-04	.1120-03	.5900-01	.5750	537.7
2 %	0000	75000	16.000	.5000-03	.4000-03	.5000-03	.1083-04	.8931-05	.1212-04	.6000-02	10-0059	537.3
א נ	0000	80000	17.000	1100-02	.9000	. 1300-02	-2656-04	.2190-04	.2972-04	. 1600-01	. 1520	537.2
2 %	2000.6	20201	18.000	1310-01	10-0801	.1470-01	.3044-03	.2508-03	.3478-03	. 1780	2.09:	539.7
9 8	2000.0	32700	000	10-0911	-9600-02	1300-01	.2697-03	. 2222-03	.3019-03	.1580	1.864	539.2
8 8	2000	00002		20-086	2220-01	3010-01	6235-03	.5135-03	.6983-03	.3640	4.292	0. I &
9 1	0000	00001		10-0775	10-0561	.2650-01	5486-03	.4518-03	.6145-03	.3200	3.756	- -
9	Z. 0000	7000			000	10-0361	764.3-07	20-1002	20-020-02	21.40	877 C	539.3
93	2.0000	.47800	22.000	19-0/51.	. 1300-01	10-09/1-	. 3046-03	50-100s.	50-0101	2		

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DATE 07	DATE 07 OCT 75		OH-74 (AED	OH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	HEATING D	ATA ON ORB	ITER FUSEL	AGE PORT S	30			PAGE 323
				OH-74 (AED	OH-7% (AEDC VY18-88A) 862C12F1OH1GH127E52V8R19) B62C12F1	OMIGHI 27ES	2V8R19				(RVB005)
	1	;	9	Signific	330777	H/H006	H(910)	HC 103	HCTAN	1000	DTWOT	7
2	TRALE	X/L	2	9 C#8	R=1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	910/	0EG. R	DEG. R
MATERIA) :		FT2SEC	FT2SEC	FT2SEC	F125EC	J35/	
*	2,0000	.53000	23.000	1030-01	.8500-02	.1150-01	.2377-03	. 1959-03	. 2661-03	. 1390	1.553	538.9
3 %	0000	56700	000. 1	.7600-02	.6200-02	.8500-02	1754-03	.1446-03	. 1963-03	.1030	1.121	538.0
3 %	2 5000	62000	32.000	.5200-02	.4300-02	5900-05	.1214-03	.1000-03	.1358-03	.7100-01	.7750	537.9
3 %	000	67000	26.000	.¥100-05	.3400-02	-4600-02	.9486-04	. 7821-04	. 1062-03	.5600-01	.6070	537.5
8 %	0000	.70500	27.000	.1900-02	. 1600-02	.2163-02	4419-04	. 3644-04	+0-++6t·	.2600-01	. 2800	536.9
3 %	0000	75000	28.000	.1100-02	.9000-03	. 1200-02	.2516-04	.2075-04	.2816-04	.1500-01	. 1630	536.4
8 8	2.0000	80000	29.000	.9000-03	.7000-03	. 1000-02	.2002-04	.1651-04	.2241-04	1500-01	1300	536.8
8 8	2.0000	.82400	30.000	. 1000-03	. 1000-03	. 1000-03	.1405-05	.1159-05	. 1573-05	-1000-05	1200-01	536.9
8	3.0000	.20000	31.000	.2630-01	.2160-01	.2950-01	.6096-03	.5015-03	.6833-03	. 3530	3.744	344.0
8	3.0000	. 22500	32.000	10-0612	. 1800-01	.2460-01	.5079-03	.4180-03	50-1596	20.0	2.502	7 - 45
8	3.0000	.25000	33.000	1800-01	1480-01	.2010-01	.4157-03	50-1545.	-1001	0.00	2 21	9 9 9
38	3.0000	.27500	₩.000	. 1360-01	. 1120-01	10-0251	. 5154-05	. 6796-03.	50-1005	1620	500	538.8
93	3.0000	30000	35:000	10-0611	20-00 85 .	10-0551.	2720-05	20-07-07	50-1605.	056	2.291	538.8
8	3.0000	32500	36.000	10-0-4	10-0906	10-0106	50-2005	4783-03	6503-03	.3390	3.938	540.7
%	3.0000	35000	37.000	10-0169	2350-01	10-0152	E0-4599	5463-03	.7430-03	.3870	4.540	541.3
R 8	3.0000	00004	39.000	10-050	1430-01	1950-01	4032-03	.3322-03	.4513-03	.2360	2.788	539.0
e 8	3.0000	- 40000 to	000.65	10-0951	1290-01	1750-01	.3616-03	.2980-03	£0-6404°	.2120	2.513	539.1
e x	0000	מטניבר.	000	.1230-01	1010-01	1380-01	.2848-03	.2347-03	.3188-03	.1670	1.911	538.4
8 8	0000	47500	42.000	-9600-02	.7100-02	.9700-02	.2000-03	. 1649-03	.2239-03	. 1170	1.309	538.2
2 %	3.0000	.50000	43.000	.7100-02	.5800-02	.7900-02	. 1634-03	. 1347-03	.1829-03	.9500-01	1.071	537.9
8 8	3.0000	.52500	44.000	.5600-02	S0-0074.	.6300-02	. 1309-03	.1079-03	.1465-03	.7700-01	.9030	537.5
8	3.0000	.55000	45.000	.5200-02	.4300-02	.5800-02	. 1204 -03	40-426C	.1347-03	7100-01	.7890	337.4
8 8	3.0000	.60000	46.000	.3700-02	.3100-02	.4200-02	.0-77-04	.7155-04	.9710-04	.5100-01	.5560	537.0
*	3.0000	.65000	47.000	.2300-02	.1900-02	.2500-02	.5273-04	*0-B*6*.	.5900-04	.3100-01	. 3300	7.920.
8 8	3.0000	70000	₩.000	.7000-03	.5000-03	.7000-03	.1538-04	.1269-04	.1721-04	- 30006	1000+00	4.050
8	3.0000	.75000	49.000	-1000-02	.8000-03	.1100-02	.2256-04	1981	-0-1-22-	1300-01	1430	0.00.0
8	3.0000	. 80000	50.000	.1200-h2	. 1000-62	. 1300-02	.2794-04	.2304-04	3126-04	. 1600-01	10-0026	5.00.9 F. 00.9
Ж	3.0000	.85000	51.000	.1000-03	. 1000-03	.2000-03	.3123-05	c0-47c5.	CD-CS+E.	20-0002.	10-0063.	
8	3.0000	.87509	52.000	.7000-03	. 5000-03	.7000-03	.1537-04	100/-04	10-10/1-	50-000	8200-01	538.3
8	3.0000	.90000	53.000	.4000-03	.4 300 03	50-0005.	1006-04	- 0550.	-0-1311.	1100-01	1460	538.4
8	3.0000	.92500	000 · 10	.8000-03	50-000.	50-000c	F0-5501.	2990	4060-05	2000-05	.2200-01	538.1
93	3.0000	. 95000	35.000	£0-0002.	0-000	50-0003.	5972-03	FU-049'S	7706-03	.3960	4.521	547.2
9	4.0000	. 25000	71.000	10-5/50.	10-020-01	0-0056	5162-03	.4247-03	5785-03	.2990	3.506	544.6
8	. 0000	.22550	12.900	10-050-	10-0641	10-0-0-1	4007-03	3298-03	. 4489-03	.2330	2.733	542.8
e	20000	00000	2.000	1730-1.	1430-01	10-0-61	.4018-03	.3309-03	.4501-03	.2340	2.900	7:13
8 9	. 0000	00002	900.14	10-0061	1570-01	.2130-01	.4406-03	.3629-03	£0-4664.	. 2570	3.375	5.0.6
8 8	0000	39500	57.000	2380-01	1960-01	.2660-01	.5509-03	.4536-03	.6171-03	.3210	¥.209	9F. 1-8
8 9	0000	35000	000.65	1690-01	1390-01	1890-01	.3908-03	.3219-03	.4376-03	.2280	2.995	540.3
K 9	1000	00577	000	1180-01	.9700-0 <i>2</i>	.1320-01	.2724-03	.2245-03	.3049-03	. 1590	2.095	538.7
K S	2000	00001	E0.000	. 8500-02	.7000-02	.9500-02	: 1960-03	.1615-03	.2193-03	. 1150	1.509	38.3
8 9	0000	00001	61.000	.6200-02	.5100-02	.6900-02	.1429-03	.1178-03	. 1600-03	.8400-01	1.102	537.6
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DATE OF	DATE 07 OCT 75		OH-74 (AEDC V418-BBA) HEATING DATA ON ORBITER FUSELAGE PORT	V418-88A)	HEATING C	NATA ON OR	BITER FUSEL	AGE PORT S	SIDE			PAGE	ស្ដី
				OH-TH (AEDC	C V418-88A)		BG2C12F10M16W127E52VBR19	S2VBR19				(RVB005)	ŝ
3	TRANE	×	1/C ND	H/HREF	H/HREF	H/HREF	H(910)	H(10)	HCTAN	7000	DTMDT	7	
NUMBER	ı	1		3-0.9	R-1.0	R-TAH	BTU/ R	BTU/ R	81U/ R	910/	DEG. R	DE0. R	
							FT2SEC	FTESEC	FT2SEC	FT2SEC	/SEC		
8	4.0000	.45000	82.000	.5000-02	50-001h.	.5600-02	. 1152-03	₹-96±6.	. 1269-03	.6800-01	.8780	537.7	
8	4.0000	.47500	63.000	3700-02	.3100-02	.4200-02	.8672-04	.7150-0 4	.9705-04	.5100-01	.6500	537.4	
8	4.0300	. 50000	94.000	.2900-02	S+00-05	.3200-02	.6651-04	- 34B4-04	J442-04	.3900-01	.4850	537.1	
8	4.3000	.52500	65.000	S4:30-05	. 2000-02	.2700-0 2	.5547-04	.4573-0 4	.6207-04	.3300-01	0404.	537.3	
8	.0000	.55000	66.000	.2700-02	. 1800-02	.2400-02	.5006-04	.4127-04	.5602-04	.2900-01	.3460	537.2	
8	4.0000	.60000	67.000	1500-02	. 1200-02	.1600-02	.3369-04	.2778-0¥	.3770-04	.2000-01	. 2230	536.9	
98	4.0000	.65000	68.000	: 1000-03	.3000-03	.4000-03	.9244-05	.7623-05	1034-04	.5000-02	10-0049.	536.7	
æ	4.0000	.70000	69.000	.7000-03	.6000-03	.8000-03	.1692-04	.1395-04	1894-04	1000-01	0111.	537.8	
8	4.0000	. 75000	70.000	.6000-03	.5000-03	.7000-03	. 1348-04	-1111.	.1508-04	.8000-02	.8800-01	537.3	
8	4.0000	.80000	75.000	.2000-03	.2000-03	.3000-03	.5604-05	.4619-05	.6273-05	.3000-02	10-0004.	538.2	
8	4.0000	.85000	76.000	.4000-03	.3000-03	.5000-03	.9706-05	20-1008 .	1086-04	.6000-02	.6800-01	538.1	
8	¥.0000	00006	78.000	.2000-03	.1000-03	.2000-03	. 3847-05	.3171-05	.4307-05	.2000-02	.2900-01	538.2	
8	4.0000	.92500	79.000	.6100-02	.5000-02	.6900-02	. 1418-03	.1169-03	.1587-03	.8300-01	1.031	539.6	
*	4.0000	95000	80.000	.4000-03	.4000-03	.5000-03	1014-04	.8357-05	1135-04	.000	0000	583.3	

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DATE 07	DATE 07 OCT 75		0H-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT SIDE	. W18-88A)	HEATING	DATA ON OR	BITER FUSE	LAGE PORT S	30.5			PAGE 325
				OH-7% (AE)	OH-74 (AEDC V418-88A) BGŻCIZFIOMIGWIZ7ESZVBA19	A) 862C12F	10H16H127E	52V8R19				(RVB005)
ORBITER	ORBITER FUSEL AGE							PARAM	PARAMETRIC DATA			
					BETA	-2.000	MACH	8.000	ELEVON .	. 0000	RUDDER -	0000
					•••165	***TEST CONDITIONS***	NS					
RUN	MACH	ALPHA DEG.	85 A	70 DEG. R	741 050	YAM DEG.	T DEG. R	م <u>ق</u> م	o <u>₹</u>	v F1/5£C	RHO St.UGS	235-87 NA
æ	7.940	39.76	167.7	1247.	-166.2	-2.400	91.60	.2000-01	.8910	3724.	.1849-04	.7377-07
R. B.	FBN/L	HREF OTIV B	STN NO					Š				
	/FT	FT2SEC	.0175									
ù	, sec	0-3053.							,			
				•	:	***TEST DATA***	:					
20	TRACE	X/L	1/C ND	H/HREF	H/HREF	H/HREF	H(910)	нс 10)	HCTAH	200	TOMIN	
NUMBER				R=0.9	R-1.0	R-TAH	BTU/ R	BTU/ R	BTU/ R	91U/ 613Cf.	7€0. R	DEG. R
5	0000	27500	0000	.1300-01	.1070-01	1450-01	.2981-03	.2455-03	.3339-03	1740	1.802	5.0.1
i ki	1.0000	30000	2.0000	.1040-01	.8500-02	.1160-01	.2388-03	. 1967-03	.2674-03	.1390	1.479	539.7
2 1	1.0000	32500	3.0000	50-006.	-0100-02	10-0111.	. 2272-03	3070-03	.4172-03	.1320	1.363 2.257	539.2
. e	. 0000	37500	5.0000	1590-01	1310-01	1780-01	.3666-03	.3019-03	.4106-03	.2130	2.248	940.0
23	1.0000	. +0000	6.0000	. 1500-01	. 1240-01	1680-01	.3462-03	. 2852-03	.3877-03	. 2020 0205.	2.078 2.480	539.2
<i>R R</i>	1.0000	. 15000	7.0000 B.0000	. 1620-01	1330-01	. 1810-01	.3724-03	.3067-03	.4170-03	.2170	2.223	539.5
8	1.0000	.4.7500	9.0000	1430-01	11180-01	10-0091	.3289-03	.2709-03	.3684-03	.1920	1.953	539.9
£ 5	0000	.50000.	10.060	10-0521	10-0601	10-05/17	50-80cs.	2504-03	3403-03	0771.	798	539.4
5 6	1.0000	. 55000	12.000	.1050-01	-009A	1170-01	.2408-03	1984-03	.2696-03	0141.	*!*.	538.7
3	1.0000	.60000	13.000	.6100-02	.5100-02	.6900-02	. 1414-03	.1165-03	. 1584-03	.8300-01	.8390	538.5
23	1.0000	.65000	000.41	. 1800-02	1500-02	5000-02	.4143-04	\$-0.50 \$-	.4637-04 2725-04	10-00%	09.2	537.6
e i	1.0000	00000	15.000	50-021	1200-02	1600-02	3342-04	2755-04	- 374!-04	2000-01	0661.	537.4
ร ธ	0000	. 80000	17.000	.6000-03	.5000-03	.7000-03	1454-04	1198-04	.1627-04	-0006.	.8300-01	537.4
æ	2,0000	. 28500	18.000	.1150-01	.9500-02	. 1290-01	.2643-03	.2177-03	.2951-03	540	1.806	9,0,6
2	2.0000	.33700	19.000	10-0161	14-90-01	.2030-01	.4177-03	3439-03	.4678-03	٠ ا	2.869	5.0.6
E !	2.0000	39000	20.000	.1660-01	1370-01	1960-01	. 3816-03	.3143-03	.4574-03	. 2380 . 2380	2.78.5 2.78.	540.1
£ £	2.0000	.47800	22.000	10-0221	10-0101.	. 1380-01	.2831-03	.2332-03	3170-03	.1650	1.8.1	539.6
ì	1 1 1	1										

dispersion of the second secon

DATE 07	07 OCT 75		OH-74 (AED)	0H-74 (AEDC V418-88A)		HEATING DATA ON ORBITER FUSELAGE PORT SIDE	II TER FUSEL	AGE PORT !	3005			PAGE 326
				0H-74 (AE	XC V418-B8/	04-74 (AEDC V418-88A) BG2C12F10M16W127E52VBR19	OM 1 GW 1 27E 9	52VBR19				(RVBC 05)
\$	TPATE	χ/r	1/C NO	H/HREF	H/HREF	H/HREF	H(9T0)	H(10)	HCTAH	OOUT	DTMOT	
NUMBER				R•0.9	R=1.0	R-TAK	BYU/ R	BTU/ R	BTU/ R	BTU/	DEG. R	OEG. R
27	2.0000	.53000	23.000	.7800-02	.6500-02	.8800-02	. 1806-03	1488-03	.2023-03	.1050	1.17	538.9
23	2.0000	. 56700	24.000	.5200-02	.4300-02	.5900-02	.1206-03	.99±0-0±	. 1351-03	16-9004.	.7670	538.5
23	2. r.300	.62000	25.000	.2600-02	.2200-02	50-005	.6065-04	40-866h.	.6789-04	.3500-01	.3863	537.9
٤	2.3000	.67000	36.000	.2800-02	.2300-02	.3100-02	.6385-04	.5263-04	.7146-04	.3700-01	.4080	537.0
23	2.0000	. 70500	27.000	.2900-02	.2400-0 2	.3200-02	.6654-04	.5485-04	.7448-04	.3900-01	.4200	537.3
દ	2.0000	.75000	28.000	.2000-02	.1500-02	.2200-02	.4531-04	.3735-04	5072-04	.2700-01	.2920	537.1
ĸ	2.0000	. 80000	29.000	.1400-02	-1100-02	. 1500-02	.3162-04	.2607-04	.3540-04	10-0061.	.2050	537.2
æ	2.0000	.82400	30.000	.6000-03	.5000-03	.7000-03	1483-04	.1222-04	.1659-04	. 9000- 02	. 1210	537.2
2	3.0000	. 20000	31.000	.2660-01	2190-01	.2980-01	.6127-03	.5040-03	.6868-03	.3540	3,759	0.44.0
£ :	3.000	. 22500	32.000	2180-01	10-0641.	.2440-01	.5019-03	.4130-03	.5625-03	.2910	3.256	543.7
R 1	, (22000	33.000	.1670-01	1380-01	1870-01	.3951-03	3170-03	4314-03	0.52.	2.506	241.7
F 1	3.0000	.27500	34.000	.1250-01	.1040-01	10-0141	.2896-03	.2384-03	3244-03	. 1580	2.020	540.9
3 2	3.0000	30000	35.000	10-0016	10-021	2750-01	4836-03	3982-03	54-17-03	28/10	3.303	- o
. K	3.0000	.35000	37.000	1800-01	1480-01	.2010-01	.4134-03	3+05-03	.4631-03	₹.	2,798	540.3
12	3.0000	.37500	38.000	1590-01	.1310-01	.1780-01	.3657-03	.3012-03	.4095-03	.2130	2.502	539.9
23	3.0000	40000	39.000	.1210-01	.10000-01	.1360-01	.2792-03	.2300-03	.3126-03	. 1630	1.923	539.4
8	3.0000	.42500	40.000	10-0201.	-8800-02	10-0611.	.2455-03	£3-220ë.	.2749-03	.1430	1.700	539.4
દ	3.0000	.45000	41.000	.8600-02	.7100-02	.9500-0 <i>è</i>	1981-03	. 1632-03	.2218-03	.1160	. 324	530 7
ĸ	3.0000	.47500	42.000	.7500-02	.6200-02	-8400-05	.1719-03	.1417-03	. 1925-03	.1000+00	<u>.</u> .	536.5
73	3.0000	.50000	43.000	20-05 -6 5	.4500-02	.6100-02	. 1245-03	. 1026-03	.1394-03	.7300-01	.8120	538.5
æ	3.0000	.52500	44.000	.3900-02	. 3200-02	.4400-02	+0-9668·	.7414-04	.1007-03	.5300-01	.6180	537.9
27	3.0000	.55000	45.000	.3600-02	. 2900-02	¥0000-05	.8236-04	.6785-04	.9220-04	- AB00-01	.5380	537.7
٦	3.0000	. 60000	48.000	2000-05	.1700-02	.2300-02	,4669-04	3849-04	.5225-04	.2700-01	.2980	537.2
<u>ب</u>	3.0000	.65000	47.000	.4000-03	.3000-03	.5000-03	.9682-05	. 7982-05	\$ - 100 · 10	.6000-02	.6009- 010-009-	936.9
6 8	3.0000	00007.	000	20-09R1.	1500-06	. 2000-06	.4000-04	. 3536-U4	-0-100h-	10-00-6	2630	937.0
3 2	3.0000	90000	50.000	1200-02	1000-02	1300-02	-2678-04	2207-04	- 1555. - 10-10-2	. 1600-01	1580	537.3
2	3.0000	.05000	51.000	3400-05	.2800-02	.3800-02	.7796-0 4	.6425-04	.8728-0¥	.4600-01	.5660	537.9
23	3.0000	.87509	52.000	.1000-02	.8000-03	.1100-02	.2295-04	.1891-0 4	.2569-04	. 1300-01	. 1660	538.2
7.2	3.0000	. 90000	53.000	.1000-02	.8000-03	.1100-02	. 2284-04	.1882-04	.2557-04	1300-01	. 1860	538.5
72	3.0000	.92500	3 €.000	.1000-02	.8000-03	.1100-02	.2339-04	.1927-04	.2618-04	10-00-1	.1799	538.6
53	3.0000	.95000	55.000	.7000-03	.5000-03	.7000-03	1498-04	.1235-04	.1677-04	.900c- 02	.8902-01	538.5
23	۰, 0000	. 20000	71.000	.2670 -01	.2200-01	. 3000-01	.6153-03	. 5059-03	.6899-03	. 3550	4.051	945.6
53	4.0000	. 22500	72.000	.2050-01	.1690-01	.2300-01	.4723-03	. 3886-03	.5294-03	.2730	3.204	543.9
5	0000	. 25000	73.000	. 1920-01	. 1580-01	.2150-01	.4421-03	.3638-03	.4955-03	.2550	3.00¢	543.1
æ	۴.0000	.27500	₹.000 1	.1780-01	10-02-11	.2000-01	.4105-03	.3379-03	.4599-03	.2380	2.951	542.1
٤	۰, 0000	.30000	26.000	10-0/61.	.1630-01	.2210-01	.4545-03	. 3741-03	.5032-03	.2640	3.462	£
27	\$.0000	. 32500	57.000	.1460-01	. 1200-01	.1630-01	. 3351-03	. 2759-03	.3753-03	.1950	2.559	540.6
r,	₹ .0000	.35000	58.000	1180-01	.9700-02	. 1320-01	.2714-03	. 2236-03	.3040-03	.1580	2.072	539.8
. L2	4.000c	.37500	59.000	. 8800-02	.7300-02	-9900-05	.2028-03	.1671-03	.2271-03	.1180	1.553	539.4
ĸ	٠.0000	00004.	60.000	.5900-02	.4800-02	.6600-02	1348-03	.1111-03	. 1509-03	10-0064.	1.034	538.5
ĸ	4.0000	. 42500	61.000	20-00 4 4.	. 3700-02	.5000-02	1021-03	.8410-04	. 1143-03	.6000-01	. 7830	538.4

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DATE 07 OCT	7 OCT 75		CH-74 (AEDC V418-88A) HEATING DATA ON ORBITER FUSELAGE PORT	V+18-88A)	HEATING C	ATA ON ORE	HTER FUSEL		S10£			PAGE 327	_
				OH-74 (AEE	04-74 (AEDC V418-88A) BG2C12F10M1GW127E52V8R19	1) B62C12F1	OM164127E9	52V8R19				(RVB305)	
2	TRACE	×	1/C NO	H/HREF	H/HREF	H/HREF	. (016)Н	H(70)	H(TAW)	1000	DTMDT	¥	
NAME	!	1		R=0.9	R-1.0	R-TAM	atu, a	81U, R	BTU/ R	910/	DE0. R	DEO. R	
							FTZSEC	FT2SEC	FT2SEC	FT2SEC)3S/		
2	4.0000	45000	62.000	3400-05	.2800-02	.3800-02	.7855-04	.6473-04	40-4648.	.4600-01	.5960	538.1	
8	4.000c	.47500	63.000	.2500-02	-2100-05	.2800-02	.5818-04	4795-04	.6513-04	3400-01	4340	537.8	
6	4.0300	.50000	000·±9	.2200-02	. 1800-02	.2500-02	+0-8605 .	.4202-04	.5705-04	.3000-01	.3700	537.5	
2	٠, 3000	.52500	65.000	.1700-02	50-00+1.	20-0061.	.3879~04	.3197-04	.4345~04	.2300-01	. 2820	537.7	
72	٨.0000	.55000	99 .000	.2300-02	.:900-02	.2500-02	-516.	.4281-04	.5814-04	.3000-01	.3570	537.6	
2	.0000	.60000	67.000	.6000-03	.5000-03	.7000-03	1419-04	.1170-04	.1588-04	. 8000-02	10-00%	537.1	
8	٠,0000	.65000	68.000	.1000-03	.1000-03	.1000-03	.2137-05	.1762-05	. 2392-05	. 1000-02	10-0051.	537.4	
8	4.0000	.70000	69.000	.1000-02	.8000-03	.1100-02	.2260-04	.1863-04	.2531-04	1300-01	.1470	538.3	
8	4.0000	.75000	70.000	.1300-02	.1100-02	.1500-02	.3056-34	-2519-04	. 3421-04	.1800-01	.2000	537.6	
٤	4.0000	.80000	75.000	.6000-03	. 5000-03	.7000-03	1447-04	.1192-04	.1620-04	.8000-02	. 1020	538.7	
23	4.0000	.85000	76.000	.4000-03	3000-03	£0-000h.	. 8857-05	. 7297-05	.9916-05	.5000-02	.6100 -01	538.8	
2	. 0000	.87500	77.000	.2400-02	.2000-02	.2700-0Z	.5578-04	.4595-04	.6245-04	.3300-01	.4280	538.6	
2	4.0000	.90000	78.000	.3500-02	.2900-02	.3900-02	*0-0 *08.	.6624-04	.9002-04	.4700-01	.3090	539.1	
۶	4.0000	.92500	79.000	50-064.	.3400-02	50-00th.	5269-04	.7882-04	.1072-03	.5600-01	.6910	539.8	
٤	4.0000	.95000	900.000	3400-05	.2800-02	.3800-02	.7754-04	.6388-04	.8582-04	.4500-01	.5310	539.2	

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